

WISCONSIN OCCUPATIONAL PROJECTIONS

From 1984 Thru 1995

Percent Growth

All Occupations



15%

Professional, Technical & Kindred



19%

Managers & Officials



16%

Sales Workers



17%

Clerical Workers



18%

Craft & Kindred Workers



13%

Operatives



7%

Service Workers



18%

Laborers, Except Farm



8%

May 1986

ASSUMPTIONS

The Wisconsin employment projections are based on the following conditions. Variation from these criteria would alter the projections. These assumptions are similar to the ones used in projecting the United States economy or Labor Force; however there are two notable exceptions, namely the absence of an assumed rate of unemployment and the use of somewhat higher participation rates than those used in national projections.

The assumptions are as follows:

1. The United States will not be engaged in any military conflict, but defense expenditures will be sizable.
2. A slowly rising Gross National Product will prevail in the general economy of the late 1980's and early 1990's, fiscal and monetary policies of the federal government will be conservative, and the rate of economic growth will be slower than during the early 1970's.
3. There will be no major changes in the basic institutions in the American economy.
4. The labor force will grow at decreasing rates throughout the late 1980's and early 1990's due to past declines in birth rates.
5. Long-term industry employment trends are generally expected to continue.
6. The trend toward a service-oriented economy from a goods-producing economy is expected to continue.
7. Wisconsin's labor force growth generally parallels that recorded and projected for the nation. A larger percentage of women than previously will enter the labor force and a larger percentage of people will be seeking second jobs.
8. There is no assumed unemployment rate.
9. Ecological considerations will continue to play an important role in the growth of employment, but will be somewhat blunted by budget balancing pressures.
10. The dissolution of the oil cartel with the following drop in oil prices and its ripple effect on other energy prices has resulted in a temporary stimulation of industry. Resultant expansion projects will probably be completed even if oil prices should rise again.

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TO: WISCONSIN PUBLIC OFFICIALS, EDUCATORS AND EMPLOYMENT PROGRAM PLANNERS

I am pleased to introduce the Wisconsin Occupational Projections to 1995. This report projects in detail the number of workers Wisconsin industries will need in various occupational groups. The excellence of this publication represents our desire to continue to produce high quality LMI publications.

The report is intended to identify Wisconsin workforce needs and the future direction of the economy, and to assist educators and public policy-makers to develop appropriate public policy and program responses. We trust it will help in efforts to counsel and train current and future workers for jobs that exist in the years ahead, by citing specific areas of need.

It is the second of a two-part study. The occupational projections it contains are based on data in last year's Planning Information for Employment, Training and Industrial Development report which pointed out that there will be a greater need for technical skills in the workforce of 1995. It also showed that projectors are expecting slower growth in the workforce to 1995 than they did in their projections to 1990. If these industry projections are correct, there will be an imbalance of new job skills and the presently trained workforce, a mismatch which should command our attention.

A number of educators and policy-makers served on the panel of experts we established to assess future workforce needs, and we appreciate their help. Gerald Snow and Thomas Rondou of the Employment and Training Policy Division served as principal researchers in this effort, and their contributions are also appreciated. Readers who are interested in more detail may contact Mr. Snow at (608) 266-0230 or Mr. Rondou at (608) 266-0689.

Please let us know of your reactions to this report.

Yours very truly,

A handwritten signature in dark ink, appearing to read "Howard S. Bellman".

Howard S. Bellman
Secretary

0179a

HIGHLIGHTS

Clerical workers are projected to maintain their numeric lead in occupational categories through 1995, increasing from 359,860 in 1984 to 423,010 in 1995.

Workers in Service Occupations are projected to grow by the second greatest number through 1995, as the number of workers added in the Service Occupations is expected to grow by over 21,000 workers per year through 1995.

Professional, technical and kindred workers are projected to grow at the fastest rate, 19 percent, moving from 317,150 workers in 1984 to 378,290 workers by 1995.

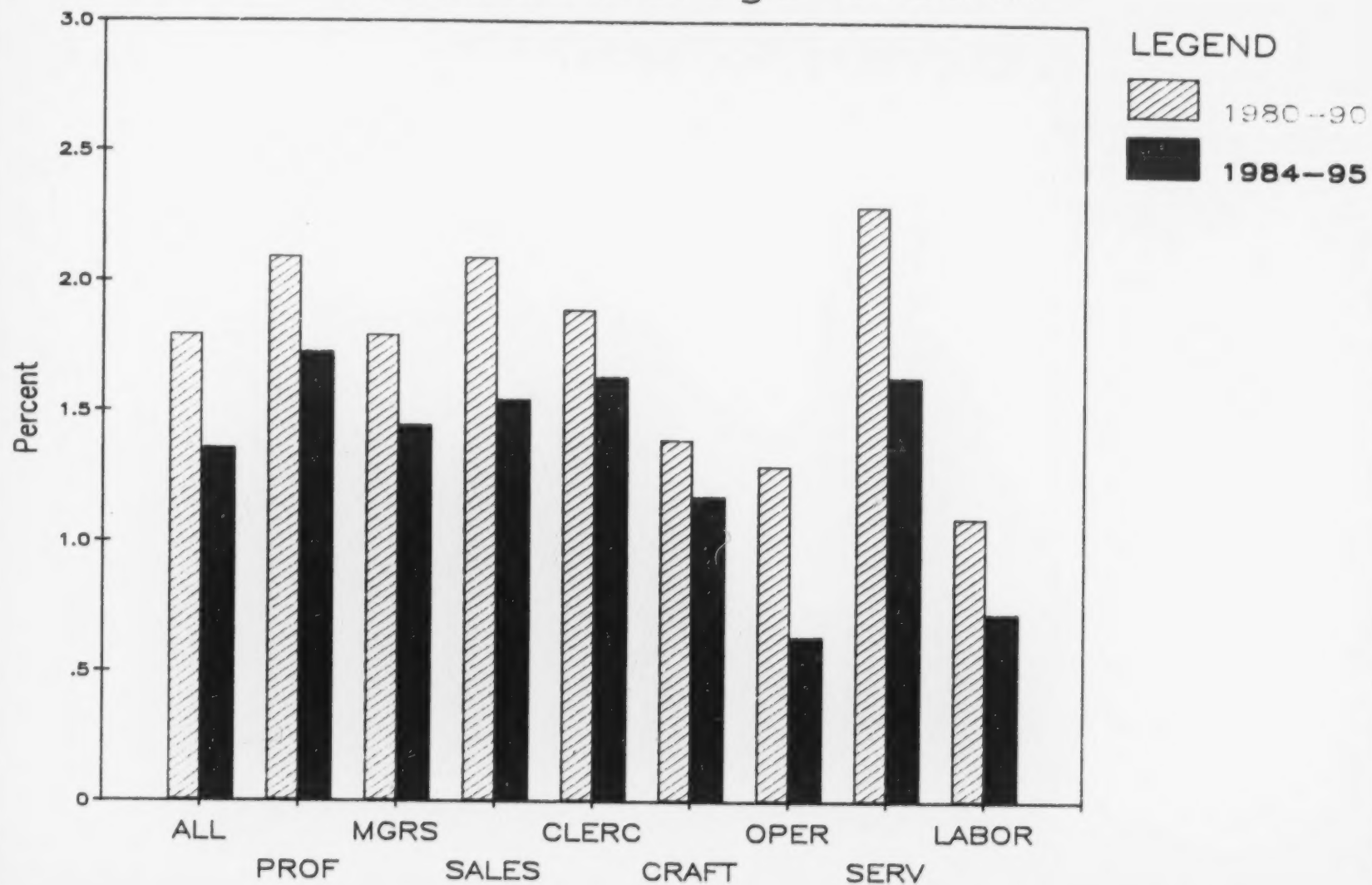
Operators, Laborers, and Craft and Kindred Workers show the lowest growth rates of 7,8 and 13 percent.

The Department of Labor has been using a consistent occupational taxonomy since 1980, so past growth rates are now comparable with previous projections to 1990 published in 1983.

The growth rates projected in 1983 and for 1986 are:

WISCONSIN OCCUPATIONAL PROJECTIONS

Annual Average Growth



Graph 1

TABLE 1

WISCONSIN OCCUPATIONAL EMPLOYMENT SUMMARY

1980 AND PROJECTED 1990

NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDEX NUMBER	OCCUPATION	ACTUAL 1980	PROJECTED 1990	EMPLOYMENT GROWTH FROM 1980 TO 1990		ANNUAL JOB OPENINGS 1980 THRU 1990		
				NUMBER	%	GROWTH	SEPARATIONS	TOTAL
00000000	TOTAL, ALL OCCUPATIONS	1,938,250	2,286,290	348,020	18	34,425	72,105	106,530
10000000	PROFESSIONAL, TECHNICAL & KINDRED WORKERS	315,460	382,490	67,030	21	6,630	10,750	17,380
20000000	MANAGERS & OFFICIALS	169,750	200,350	30,600	18	3,050	7,535	10,585
30000000	SALES WORKERS	117,830	143,020	25,190	21	2,510	5,585	8,095
40000000	CLERICAL WORKERS	354,300	421,100	66,800	19	6,630	13,675	20,305
50000000	CRAFT & KINDRED WORKERS	214,580	245,630	31,050	14	3,035	6,775	9,810
60000000	OPERATIVES	333,980	375,930	41,950	13	4,065	9,680	13,745
70000000	SERVICE WORKERS	303,890	375,280	71,390	23	7,110	14,545	21,655
80000000	LABORERS, EXCEPT FARM	127,540	141,560	14,020	11	1,385	3,525	4,910

It can be seen that while the top five occupational sectors will maintain their lead, there were some shifts, as Service Workers dropped from the lead and Professional, Technical and Kindred Workers moved to that position.

TABLE 2

	WISCONSIN INDUSTRIAL EXPERIENCE			WISCONSIN FORECAST 1990 & 1995					
	(IN THOUSANDS)			(IN THOUSANDS)					
				1990			1995		
	1970	1980	1984	(1)HIGH	(2)AVERAGE	(3) LOW	(1)HIGH	(2)AVERAGE	(3)LOW
NONFARM WAGE & SALARY	1530.4	1938.1	1941.1	2251.7	2105.6	1922.3	2475.2	2233.4	1940.9
MANUFACTURING	500.9	558	517.8	587.9	542.7	482.5	631	555.5	460.7
DURABLE GOODS	321.5	364.4	321.7	375.5	342.6	297.5	400.1	351.5	285.1
24 LUMBER & WOOD PROD	15.6	20.7	21.5	23.7	22	20.1	27.7	23.1	19.7
25 FURNITURE & FIXTURES	7.8	9.6	10.3	11.4	10.1	8.7	12.2	10	7.7
32 STONE CLAY & GLASS	8.1	9.1	7.4	9.2	8.2	6.6	9.8	8.4	5.9
33 PRIMARY METAL IND	30.1	26.1	19.9	23.3	21.5	17.3	24.8	21.7	16.7
34 FAB. METAL PRODUCTS	43.8	58.4	50.9	60.8	56.4	48.9	64.2	58.3	48.7
35 NON-ELECTRICAL MACH	108.2	125.7	102.2	122.1	112.6	98.5	130	116.1	94.1
36 ELECTRICAL MACHINERY	48.6	56.8	52.6	41	54.3	48.3	63.3	55.4	47
37 TRANSPORTATION EQUIP	36.2	34.7	36.1	38.9	34.6	30	40.5	34.3	26.7
38 PROF SCI & CONTROL INS	9	12.4	10.7	14.3	13	11.3	16.3	14.1	11.5
39 MISC MFG INDUSTRIES	14.1	10.9	10.1	10.8	9.8	7.8	11.3	10	7.1
NONDURABLE GOODS	179.4	193.6	196.2	212.4	200.1	185	230.9	203.9	175.6
20 FOOD & KINDRED PROD	57.6	64.9	62.7	64.6	61.8	59.1	66.6	60.6	53.6
22 TEXTILE MILL PROD	7	4.7	4.6	4.3	4	3.5	4.5	3.8	3.3
23 APPAREL & OTHER FIM PR	6.8	6.5	6.5	6.9	6.2	5.2	7.8	6.1	4.5
26 PAPER & ALLIED	45	47.8	47.2	49.8	48.6	46.2	52	49.4	45.7
27 PRINTING PUB & ALLIED	25.4	32.4	36.2	41.4	38.8	36.3	48.3	42	36
28 CHEM & ALLIED PROD	11.3	9.7	9.9	10.9	10.1	8.9	11.8	10.3	8.2
30 RUBBER & MISC PLASTICS	12.1	17.6	20.5	26.3	23	19.3	32.4	25.1	19
31 LEATHER & LEATHER PROD	13.9	9.4	8.1	7.7	7.1	6.2	7	6.3	5
OTHER NONDURABLE GOODS	.4	.4	.4	.5	.4	.3	.5	.4	.3
10-14 MINING	2.6	2.6	1.8	2	1.9	1.6	2.7	2	1.4
15-17 CONSTRUCTION	62	70.1	58.3	70.2	65.2	57.4	74.6	67.1	55.5
40-49 TRANS COMM & PUB UTIL	80.9	92.1	89.7	97.7	93.2	87	104.1	96.3	87.4
50-59 TRADE	327.4	436.8	453.8	521.6	497.7	453.3	568.7	530.1	463.3
60-67 FIM INS & REAL ESTATE	60.5	93.3	102.2	125.5	115.8	104.9	149.3	129.9	109.3
70-89 SERVICE & MISC	230.7	364.2	403.9	497.4	461.5	429.7	569.5	510.8	452.7
90-94 GOVERNMENT	265.5	321.1	313.6	349.4	327.6	305.9	375.3	341.8	310.6

(1) ARITHMETIC MEAN OF THREE HIGHEST FORECASTS

(2) ARITHMETIC MEAN OF ALL FORECASTS

(3) ARITHMETIC MEAN OF THREE LOWEST FORECASTS

* TOTALS MAY NOT ADD DUE TO ROUNDING

* ANNUAL AVERAGE DATA ON 1984 BENCHMARK

N.B. DATA BELOW IND DIVISION LEVEL FOR 1970 ON 1967 SIC

OCCUPATIONAL PROJECTIONS DEPEND ON INDUSTRY PROJECTIONS

The Occupational forecasts are directly affected by industry forecasts, although not all to the same degree, since some occupations are all in one industry while others are found in a number of industries. For this reason, a brief comparison of the 1995 industry forecasts to their 1990 counterparts will help to explain the changes in the expected occupational growth.

The following comparison of the growth rates forecast for the major industrial groups to 1990 and 1995 shows the change to the most recent forecast.

TABLE 3 INDUSTRY PROJECTIONS COMPARED ---- 1990 & 1995----

INDUSTRY	1980-1990 % INCREASE	1984-1995 % INCREASE	FORECAST % CHANGE
NONFARM WAGE & SALARY	18.0%	15.1%	-2.9%
MINING	15.4%	11.1%	-4.3%
CONSTRUCTION	15.8%	15.1%	-0.7%
MANUFACTURING	11.6%	7.3%	-4.3%
TRANS, COMMUN & PUB UTILITIES	5.6%	7.4%	+1.8%
WHOLESALE & RETAIL TRADE	22.3%	16.8%	-5.5%
FINANCE, INSUR & REAL ESTATE	13.5%	27.1%	+13.6%
SERVICES & MISCELLANEOUS	33.3%	26.5%	-6.8%
GOVERNMENT	11.0%	9.0%	-2.0%

The "Wisconsin Occupational Projections to 1995" are based on the industry projections included in the publication Planning Information for Employment, Training and Industrial Development, August 1985, Wisconsin, published by the Labor Market Information Bureau of the Division of Employment and Training Policy in the Wisconsin Department of Industry, Labor, and Human Relations. The above mentioned publication can be ordered from the Employment and Training Library, P. O. Box 7944, Madison, Wisconsin 53707.

The occupational conversion of the industrial projections is based on the average projections for 1995 taken from Table 1. This conversion was done using staffing patterns from the Wisconsin occupational employment statistics program.

COMPARISONS OF INDUSTRY PROJECTION

Looking at Table 3 we see that Nonfarm Wage & Salary employment, which is the total of all projected industries, showed a 2.9 percent drop from the previous forecast, with an expected gain of 15.1 percent from 1984 to 1995. This was not surprising, since forecasts for four of the six groups were less optimistic this time than last. The one category that showed a large percent gain this forecast period, FINANCE, INSURANCE AND REAL ESTATE, was so small numerically that it had only a slight effect on the total forecast. It is important to remember that this forecast period is eleven years, while the last was ten. This means that each year this time represents about 9 percent of the total forecast, while the last time it represented 10 percent.

Changing the forecast to yearly, the 1980 to 1990 forecast for all Nonfarm Wage & Salary Industry employment showed an anticipated growth of 34,820 each year of the decade. The new projections for 1984 to 1995 have dropped expected growth to 26,570 for each of the eleven years of the forecast. This drop in the amount of growth reflects itself in most of the occupations, when the industrial growth is converted to occupations. Exceptions to this will be occupations that are concentrated in the industries that are expected to grow faster from 1984 to 1995 than had been forecasted for 1980 to 1990.

WISCONSIN OCCUPATIONAL PROJECTIONS 1984 to 1995

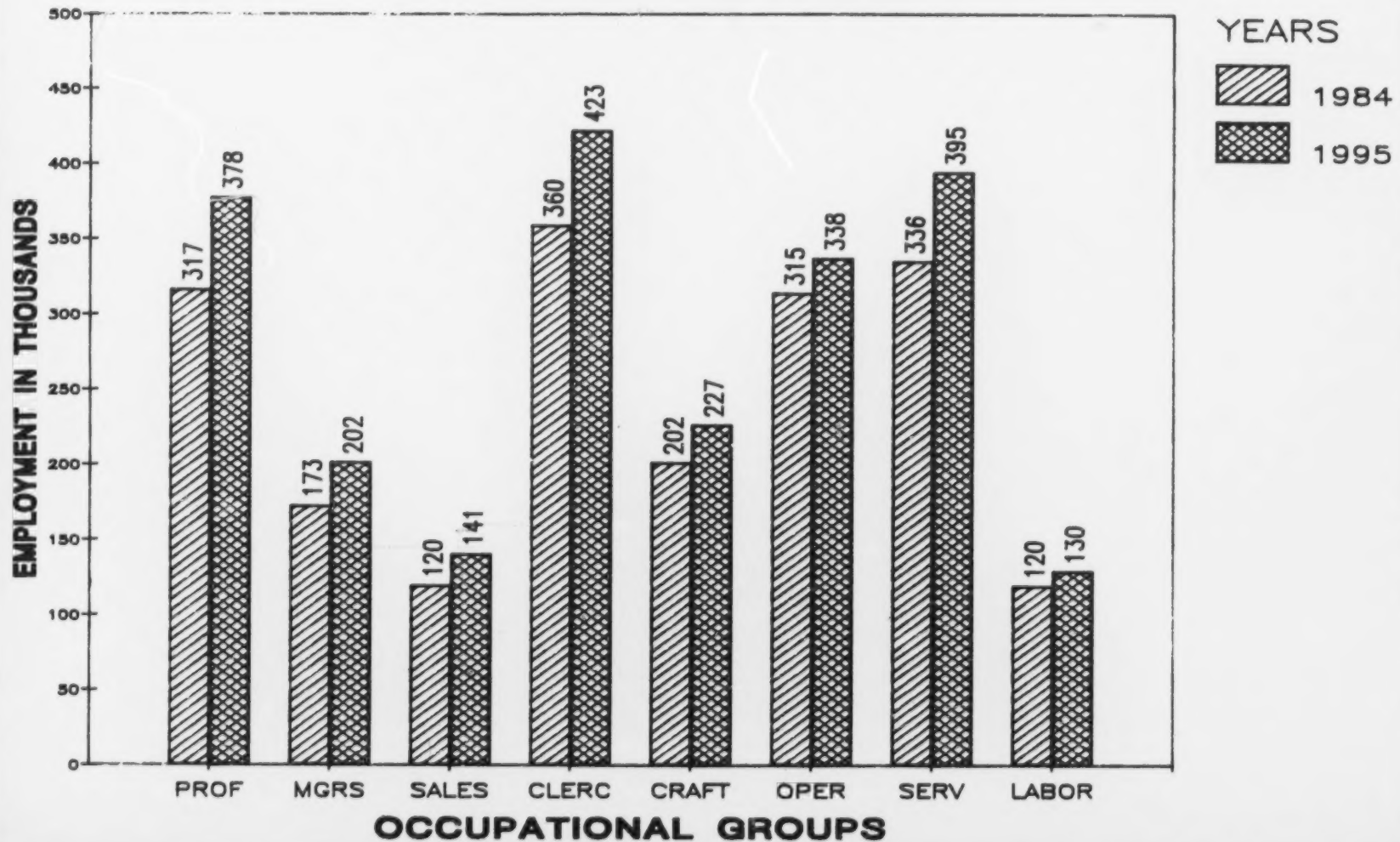
This publication starts with 1984 occupational employment and projects 1995 employment for about 1,500 occupations and summary level occupational groups. For each occupation, average annual growth (1) is shown along with openings due to separations (2), and the two are combined to give openings per occupation.

Nonagricultural wage and salary employed workers in Wisconsin are expected to increase from 1,942,380 in 1984 to 2,233,280 in 1995, an increase of 290,900 jobs or 15 percent. Professional, technical, and kindred workers job growth led (19 percent), followed by service and clerical tied for second place (18 percent each). These three fastest growing groups are expected to provide 63 percent of the job growth from 1984 to 1995. Slowest growth is expected for operatives (7 percent) and laborers (8 percent).

These projections to 1995 represent a significant decrease in the growth rate of the total of all occupations, down 3 percent from the previous forecast. Two of the largest areas of decrease were the Operatives and Service groups which will decrease 6 percent and 5 percent respectively. The potential impact of these percent changes is significant, because these two categories make up one third of all the occupations.

-
- (1) Average annual growth is a hypothetical number based on the projected growth for the 11 year period; it seldom occurs in an even fashion.
 - (2) Separations include job openings due to deaths and retirements for men and women, and women leaving the work force. The decreasing death rate seems to have been offset by earlier retirement, and female work force participation seems to have remained steady stabilizing the separation rates. These separations DO NOT include openings made available when workers change jobs or occupations or are promoted.

WISCONSIN OCCUPATIONAL GROUP PROJECTIONS 1984 TO 1995



Every occupational group is forecast to grow more modestly from 1984 to 1995 than from 1980 to 1990. The category least effected by the more conservative growth rates of the most recent forecast is Clerical Workers, with only a one percent drop in expected growth. This is closely followed by the Professional, Technical and Kindred Workers, and Managers and Officials groups, with a two percent decrease in the forecast. The table which follows summarizes actual 1984 employment, and projected 1995 employment for each of the eight major groups. Projections are converted to yearly growth and combined with annual separations to arrive at estimated yearly job openings. (These annual average job openings show trends and do not reflect periodic business cycles or other short-term economic disruptions.)

TABLE 4
WISCONSIN OCCUPATIONAL EMPLOYMENT SUMMARY
1984 AND PROJECTED 1995
NONAGRICULTURAL WAGE & SALARY EMPLOYMENT

INDEX NUMBER	OCCUPATION	ACTUAL 1984	PROJECTED 1995	: EMPLOYMENT : : GROWTH FROM : : 1984 TO 1995:		ANNUAL JOB OPENINGS 1984 THRU 1995		
				NUMBER	%	GROWTH	SEPARATIONS	TOTAL
00000000	TOTAL, ALL OCCUPATIONS	1,942,380	2,233,280	290,900	15	26,543	71,742	98,285
10000000	PROFESSIONAL, TECHNICAL & KINDRED WORKERS	317,150	378,290	61,140	19	5,566	10,647	16,213
20000000	MANAGERS & OFFICIALS	173,440	201,790	28,350	16	2,578	7,523	10,101
30000000	SALES WORKERS	120,060	140,620	20,560	17	1,867	5,571	7,438
40000000	CLERICAL WORKERS	359,860	423,010	63,150	18	5,743	13,719	19,462
50000000	CRAFT & KINDRED WORKERS	201,600	227,170	25,570	13	2,341	6,289	8,630
60000000	OPERATIVES	314,650	337,852	23,206	7	2,182	9,013	11,195
70000000	SERVICE WORKERS	335,850	394,710	58,860	18	5,351	15,986	21,337
80000000	LABORERS, EXCEPT FARM	119,650	129,680	10,030	8	912	2,988	3,900

Estimated yearly growth job openings of 26,543, combined with openings created by separations of 71,742 are forecast to result in 98,285 jobs per year from 1984 through 1995. This would mean there are expected to be three jobs resulting from separations for every one job created by growth for the total of all occupations in the forecast period. The clerical and service workers occupational groups together will furnish over 40 percent of the total estimated yearly job openings.

Compared to the previous forecast for 1980 through 1990, this is a drop of 7.7 percent for total estimated yearly job openings in the new projections. Separations are expected to remain at the same level as previously forecast, resulting in the bulk of the decline in forecast occurring in the growth area. The more conservative new forecast anticipates about 8,000 fewer openings yearly from growth, than the previous, more optimistic one. The operatives and service workers groups accounted for 46 percent of the expected decline in growth. These occupations are grouped in industries with anticipated declines in growth.

Table 5 includes all occupational groups with total annual openings over 400. Both growth and separation openings are included. If a breakdown between growth and separations is desired, it can be found in the average annual openings Table 9, which is organized in ascending numerical index code order. There are eight residual categories that have over 400 total annual openings. Residual categories were not included because they combine occupations that are often quite different, and there is no way of separating them.

TABLE 5

JOBS WITH MOST YEARLY OPENINGS

RANK	INDEX CODE	WISCONSIN OCCUPATIONS WITH PROJECTED	TOTAL ANNUAL
		TOTAL ANNUAL AVERAGE OPENINGS OVER 400 FROM 1984 THRU 1995	AVERAGE JOB OPENINGS
1	70020600	JANITORS, PORTERS, & CLEANERS	4,677
2	40020200	SECRETARIES	2,997
3	30001802	SALES CLERKS	2,970
4	70061010	NURSES AIDES/ORDERLIES	2,328
5	70041602	WAITERS OR WAITRESSES	2,188
6	70040400	BARTENDERS	2,080
7	40066811	GENERAL CLERKS, OFFICE	2,041
8	40060800	CASHIERS	1,951
9	10100800	NURSES, PROFESSIONAL	1,813
10	10203000	TEACHERS, ELE. PRES. & XING.	1,787
11	70041802	KITCHEN HELPERS	1,520
12	* 70041804	FD PREP & SERV WKRS, FAST FD REST	1,454
13	20061612	MANAGERS, STORE	1,280
14	70100601	GUARDS & DOORKEEPERS	1,098
15	20060603	BOOKKEEPERS HAND	1,033
16	40020600	TYPISTS	1,012
17	62002201	TRUCK DRIVERS	980
18	10205000	TEACHERS, SECONDARY	962
19	50040003	SUPERVISORS, NONWORKING	903
20	40060601	ACCOUNTING CLERKS	873
21	10121010	LICENSED PRACTICAL NURSES	834
22	50144821	MAINTENANCE REPAIRERS, GEN UTIL	791
23	10240201	ACCOUNTANTS & AUDITORS	787
24	62000801	DELIVERY & ROUTE WORKERS	653
25	70040803	COOKS, RESTAURANT	642
26	50081001	AUTOMOTIVE MECHANICS	621
27	40060203	TELLERS	616
28	40065404	STOCK CLERKS, STOCKRM, WAREHS, ETC	602
29	61060802	PRODUCTION PACKAGERS	598
30	50020201	CARPENTERS	590
31	40064802	RECEPTIONISTS	533
32	80002003	STOCK CLERKS, SALES FLOOR	514
33	70040804	COOKS, INSTITUTIONAL	488
34	70082001	COSMETOLOGISTS/WM'S HAIRSTYLISTS	475
35	50142202	INSPECTORS	475
36	62000402	BUS DRIVERS, SCHOOL	459
37	40061200	CLERICAL SUPERVISORS	447
38	61080436	MACHINE ASSEMBLERS	440
39	80001401	GARDNERS & GROUNDSKEEPERS	424
40	61080419	ASSEMBLERS	418
41	40065600	TEACHERS AIDES/EDUC ASSISTANTS	408
42	70040802	COOKS, SHORT ORDER/SPEC FAST FD	401

* THIS IS THE ONLY OCCUPATION THAT APPEARS
ON THE OVER 30% GROWTH LIST ALSO.

JOBS WITH MOST YEARLY OPENINGS

This table represents the occupations that will have the most openings per year from 1984 through 1995. These 42 occupations, which account for 3.3 percent of the 1,270 total occupations, will account for 48,163 annual job openings or 49 percent of those available. Occupations are listed in descending numerical order by annual openings. Considering the expected growth of service occupations, it is not surprising that three of the first six jobs with the most yearly openings were in that group.

This new list of jobs with the most yearly openings contains nearly the same occupations as the 1983 projection publication, except for four. Three of the four are: Sales Representative, Technical; Sales Representative, Nontechnical; and Managers Restaurant, Coffee Shop, etc. These three resulted from a cut-back in the expected growth of the trade industry. The fourth occupation lost from the current list was Welders and Flamecutters, resulting from the more conservative forecast for manufacturing. To get a list of about 40 occupations, since the total industry growth was down 2.9 percent, the minimum annual average openings was dropped from 500 to 400. Using the same 500 cut-off point, for comparison purposes, two occupations were added to the new list. They were Tellers (rank 27) and Teachers, Secondary (rank 18). The increase in tellers resulted from a substantial increase in the current forecast for the financial industry, while Teachers, Secondary shows an improvement in the most recent industry forecast for education. Comparing the total of the top forty for 1984 and 1995 shows a drop of 4,916 annual average job openings from the 1980 through 1990, to the most recent 1984 through 1995 projections.

TABLE 6

WISCONSIN OCCUPATIONS WITH PROJECTED
GROWTH OVER THIRTY PERCENT
FROM 1984 TO 1995

RANK	INDEX CODE	OCCUPATION NAME	: ELEVEN YEAR GROWTH :	
			: NUMERICAL	: PERCENT :
1	50081400 (2)	DATA PROCESSING MACH MECHANICS	760	164
2	10141200	TOOL PROGRAMMERS, NUMER CONT	310	89
3	50101203	PLATENAKERS	350	83
4	50082400 (2)	OFF MACH & CASH REG SERVICERS	600	71
5	10240402	COACHES, PROFESSIONAL ATHLETES	10	71
6	10160400 (2)	SYSTEMS ANALYSTS, EDP	2760	66
7	10242203 (2)	PARALEGAL PERSONNEL	400	60
8	10202001	TEACHERS, VOC ED OR TRAIN	1220	56
9	61082803	SPOTTERS, WASHABLE MATERIALS	40	56
10	70081000 (2)	BARBERS	350	52
11	40040602 (2)	PERIPHERAL EDP EQPT OPERATORS	760	51
12	40062803	CLAIM ADJUSTERS	660	48
13	40040601 (2)	COMPUTER OPERATOR	1830	46
14	61082806 (2)	DRYCLEANING MACHINE OPERATORS	130	46
15	50101001	STRIPPERS PRINTING	450	45
16	10240204 (2)	TAX PREPARERS	290	43
17	61085204 (2)	MEMBERS	60	43
18	20041602	ASST. PRINCIPALS	350	40
19	10160200	COMPUTER PROGRAMMERS	1730	39
20	50120402	YARD ENGINEERS	70	39
21	70101002	STORE DETECTIVE	90	38
22	10201000	TEACHERS ADULT EDUCATION	880	36
23	40062210	CLAIMS CLERKS	450	36
24	70041804(1)(2)	FD PREP/SERV WKRS,FAST FD REST	6000	34
25	50141000	MERCH DISP & WIND TMRS	80	34
26	50120405	LOCOMOTIVE ENGINEERS	70	33
27	70100607	CORRECTN OFFICERS &/OR JAILERS	630	32
28	61080433	CLOCK, WATCH ASSEMBLERS--B	110	32
29	10220401	ATHLETES	90	32
30	50143601	SHOE DYERS	10	32
31	10021200	MECHANICAL ENGINEERS	1560	31
32	40066842	MORTGAGE CLOSING CLERKS	170	31
33	40062801	CLAIM EXAMINERS, INSURANCE	160	31
34	10101801 (2)	OCCUPATIONAL THERAPISTS	290	30
35	10121005	PROSTHETISTS, ORTHOTISTS	20	30
36	40066831	PROTECTIVE SIGNAL OPERATORS	20	30
37	30001601	BROKER & MKT OPER, COMMOD	10	30

(1) THIS IS THE ONLY OCCUPATION THAT ALSO APPEARS ON THE LIST OF
JOBS WITH THE MOST YEARLY OPENINGS.

(2) THESE OCCUPATIONS WERE ON THE 1980 TO 1990 PROJECTIONS LIST OF
OCCUPATIONS WITH 2 GROWTH OVER 40%.

JOBS WITH PROJECTED GROWTH OVER THIRTY PERCENT

The thirty seven occupations in this GROWTH OVER THIRTY PERCENT table are expected to grow by 23,770 new jobs in the 1984 to 1995 period. This accounts for about nine percent of all occupational growth for the period. These occupations are more sensitive to changes in the industry forecasts than those with large numerical growth, resulting in a high turnover from one forecast to the next.

This table lists the 37 occupations that are projected to show the greatest percent of growth in the 1984 through 1995 forecast period. These eleven year growth figures are rounded to the nearest ten, resulting in the loss of some occupations that had less growth than five.

The jobs are listed starting with the largest percent in descending order. While these occupations show large percent growth, most of the actual numbers are not impressive, considering that they represent eleven years growth. Only one occupation appears on this list and the jobs with the most yearly openings list. That occupation is Food Preparation/Service Workers/Fast Food Restaurant, and ranked twelfth. There are only six occupations that have grown over 1100, which translates to 100 new jobs per year, for the 1984 through 1995 period. These are: Systems Analysts, EDP (rank 6); Teachers, Vocational Education or Training (rank 8); Computer Operator (rank 13); Computer Programmers (rank 19); Food Preparation/Service Workers, Fast Food Restaurant (rank 24); Mechanical Engineers (rank 31).

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MATRIX OCCUPATION	OCCUPATIONAL TITLE	GROWTH SEPARATION NET CHG		
		YEARLY	YEARLY	YEARLY
10080808	BROADCAST TECHNICIANS	-9	4	-5
10202002	TEACHERS COLLEGE	-4	141	137
10202003	GRADUATE ASSISTANTS	-20	83	63
10202005	PROFESSORS	-14	108	94
10202006	ASSOC. PROFESSORS	-16	112	96
10202007	ASST. PROFESSORS	-17	126	109
40020400	STENOGRAPHERS	-37	203	166
40041000	KEYPUNCH OPERATORS	-49	222	173
40066202	CENTRAL OFFICE OPERATORS	-2	26	24
50022801	PLASTERERS	-1	7	6
50061804	HOLDERS, BENCH &/OR FLOOR	-3	9	6
50061805	HOLDERS, MACHINE(METAL)	-13	21	8
50061808	SHELL MOLD/SH CORE MAC OP	-4	3	-1
50081811	KNITTING MACHINE FIXERS	-3	6	3
50100206	BINDERY WORKERS, ASSEMBLY	-4	34	30
50100208	ALL OTHER BINDERY WORKERS	-8	37	29
50100400	COMPOSITORS &/OR TYPSTRS	-17	68	51
50120600	LOCOMOTIVE ENGINEERS HLPR	-6	1	-5
50121010	CENTRAL OFFICE REPAIRERS	-10	11	1
50121011	TROUBLE LOCATORS,TEST BSK	-4	3	-1
50143400	SHIPFITTERS	-1	13	12
50144002	CTRL ROOM OPERATORS,STEAM	-3	8	5
50144004	AUXILIARY EQUIP OPERATORS	-6	16	10
50144013	SEWAGE PLANT OPERATORS	-15	35	20
61040403	KNITTING MACH OPERATORS	-5	7	2
61060405	SOFTERS, LEATHER	-1	4	3
61060804	RAGGERS	-1	76	75
61080440	ALL OTHER ASSEMBLERS	-24	344	320
61081424	DIE CUTTERS, CLCKG MACH OP	-5	21	16
61082002	LATHERS	-2	2	0
61082605	FUEL PMP ATT, LUBRICATORS	-5	101	96
61083856	MIXERS, FOOD & TOBACCO	-3	41	38
61084210	PAINTERS PRODUCTION	-1	83	82
61085205	SEWNG MCH OPS,REG EQ,MGAR	-11	75	64
61085215	SEWNG MCH OPS,SPEC EQ,MGA	-3	28	25
61085219	SEWNG MCH OPS,SPEC EQ,CAR	-5	28	23
61085220	SEWNG MCH OPS,REG EQ, CAR	-26	100	74
61085431	STITCHERS,STANDARD MACH	-7	16	9
61085432	STITCHERS, UTILITY	-1	4	3
61085443	CEMENTERS,PSTRS,BKERS,ETC	-1	5	4
61086012	CASING FINSHRS &/OR STFRS	-2	28	26
61086026	DAIRY PROC EQMT OPERATORS	-2	28	26
61086029	CHEESEMAKERS	-1	20	19
61086408	COATING MACHINE OPERATORS	-1	2	1
61087810	TANNG DRUM OPS/COLORERS H	-1	2	1
61088403	COREMAKERS,HND,BMCH,FLOOR	-1	7	6
61089007	CHEESEMAKER HELPERS	-5	55	50
61089040	POULTRY DRSRs,EVISERATOR	-2	36	34
61089063	SPRAYERS,HND &/OR MACHINE	-1	2	1
61089070	TACKERS,TOGLRS, & PASTERS	-2	4	2
70101201	SHERIFFS	-4	11	7
80002404	EQUIPMENT CLEANERS, HAND	-2	30	28
80002824	CANNERY WORKERS	-2	32	30
80002828	RAW CHEESE WORKERS	-2	22	20

OCCUPATIONS WITH NEGATIVE YEARLY GROWTH

The Wisconsin occupational forecasts from 1984 through 1995 incorporate the most recent BLS national occupational change factors. They adjust the industry staffing patterns for the projected year, to take into consideration growth or decline in the occupations. These change factors are calculated for each occupation in every industry.

Of the 1270 occupations identified in the 1995 projections, 55 showed less expected employment in 1995 than in 1984. This decrease could be expected to result in layoffs. But, openings resulting from separations (deaths, retirements and people leaving the work force) are expected to provide enough opportunities to absorb all but four. The total workers from these four occupations left with no job amounted to twelve per year from 1984 thru 1995.

The primary implication of these data is not the potential increase in displaced workers but the implications to school administrators. The occupations with a net yearly loss are a red traffic signal. Any occupation with declining employment should be seen as a yellow caution light. The four occupations that are now in the new loss category were only in the declining group in the 1990 occupational projections. The four net loss occupations are: Broadcast Technicians (10080808); Shell Mold/Shell Core Machine Operator (50061808); Locomotive Engineers Helper (50120600); and Trouble Locators, Test Desk (50121011). Any occupation that is declining should be watched by curriculum planners and analyzed as to why, and whether it can be expected to improve or decline further, to determine whether or not training should be decreased or continued.

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
00000000	TOTAL, ALL OCCUPATIONS	1942380	100.0	2233300	100.0	290920	14.98
10000000	PROFESS, TECHN, & KINDRED OC	317150	16.3	378280	16.9	51130	19.27
10020000	ENGINEERS	17490	0.9	21340	0.9	3850	22.01
10020200	AERONAUTICAL ENGINEERS	20	0.0	20	0.0	0	0.00
10020400	CHEMICAL ENGINEERS	520	0.0	580	0.0	60	11.54
10020600	CIVIL ENGINEERS	2530	0.1	2940	0.1	410	16.21
10020800	ELECTRICAL ENGINEERS	3570	0.1	4480	0.2	910	25.49
10021000	INDUSTRIAL ENGINEERS	3590	0.1	4200	0.1	610	16.99
10021200	MECHANICAL ENGINEERS	5100	0.2	6660	0.3	1560	30.59
10021400	METALLURGISTS & MET ENGINEERS	150	0.0	190	0.0	40	26.67
10021600	MINING ENGINEERS	*	*. **	*	*. **	*	*. **
10022000	OTHER ENGINEERS	2010	0.1	2270	0.1	260	12.94
10022003	TRAFFIC ENGINEERS	30	0.0	40	0.0	10	33.33
10022004	NUCLEAR ENGINEERS	40	0.0	40	0.0	0	0.00
10022005	AGRICULTURAL ENGINEERS	*	*. **	*	*. **	*	*. **
10022099	ALL OTHER ENGINEERS	1940	0.1	2190	0.1	250	12.89
10040000	LIFE & PHYSICAL SCIENTISTS	3210	0.1	3730	0.1	520	16.20
10040200	AGRICULTURAL SCIENTISTS	330	0.0	380	0.0	50	15.15
10040400	METEOROLOGISTS	40	0.0	50	0.0	10	25.00
10040600	LIFE SCIENTISTS	800	0.0	890	0.0	90	11.25
10040601	BIOLOGICAL SCIENTISTS	730	0.0	810	0.0	80	10.96
10040602	MEDICAL SCIENTISTS	60	0.0	80	0.0	20	33.33
10040800	CHEMISTS	1680	0.0	2010	0.0	330	19.64
10041000	GEOLOGISTS & GEOPHYSICISTS	70	0.0	80	0.0	10	14.29
10041400	PHYSICISTS	60	0.0	70	0.0	10	16.67
10041600	LIFE & PHYSICAL SCIENTISTS, NEC	240	0.0	260	0.0	20	8.33
10041607	OCEANOGRAPHERS	*	*. **	*	*. **	*	*. **
10060000	MATHEMATICAL SPECIALISTS	480	0.0	580	0.0	100	20.83
10060200	ACTUARIES	140	0.0	180	0.0	40	28.57
10060400	MATHEMATICAL SCIENTISTS	120	0.0	140	0.0	20	16.67
10060402	MATHEMATICIANS	20	0.0	20	0.0	0	0.00
10060403	ALL OTHER MATH SCIENTISTS	100	0.0	120	0.0	20	20.00
10060600	STATISTICIANS	220	0.0	260	0.0	40	18.18
10080000	ENGINEERING, SCIENCE TECHN	20250	1.0	24000	1.0	3750	18.52
10080600	DRAFTERS	6310	0.3	7500	0.3	1190	18.86
10080601	DRAFTERS	6210	0.3	7380	0.3	1170	18.84
10080602	ESTIMATORS & DRAFTERS, UTILITIES	100	0.0	110	0.0	10	10.00
10080800	ELECTRICAL, ELECTRONIC TECHN	5680	0.2	7050	0.3	1370	24.12
10080801	SOUND RECORDING & REPRO TECHN	10	0.0	10	0.0	0	0.00
10080802	VIDEO RECORDING ENGINEERS	*	*. **	*	*. **	*	*. **
10080803	ELECTRICAL & ELECTRONIC TECHN	5240	0.2	6730	0.3	1490	28.44
10080808	BROADCAST TECHNICIANS	420	0.0	310	0.0	-110	-26.19

Table 8

OES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
10081000	INDUSTRIAL ENGINEERING TECHNS	900	0.0	1000	0.0	100	11.11
10081200	MATHEMATICAL TECHNICIANS	*	*,**	*	*,**	*	*,**
10081400	MECHAN ENGINEERING TECHNICIANS	830	0.0	970	0.0	140	16.87
10081600	SURVEYORS	410	0.0	490	0.0	80	19.51
10081800	ENGIN & SCI TECHNS, NEC	6130	0.3	6980	0.3	850	13.87
10081806	RADIOGRAPHERS	*	*,**	*	*,**	*	*,**
10081807	SPECTROSCOPISTS	20	0.0	20	0.0	0	0.00
10081808	TIMBER CRUISERS	20	0.0	20	0.0	0	0.00
10081811	COLORISTS TEXTILES	*	*,**	*	*,**	*	*,**
10081812	PHYSICAL SCIENCE TECHNICIANS	150	0.0	170	0.0	20	13.33
10081813	TRAFFIC TECHNICIANS	20	0.0	20	0.0	0	0.00
10081814	SPECIFICATION WRITERS, ENGINEER'G	*	*,**	*	*,**	*	*,**
10081815	LIGHT TECHNICIANS	20	0.0	20	0.0	0	0.00
10081816	CIVIL ENGINEERING TECHNICIANS	630	0.0	760	0.0	130	20.63
10081897	BIO & AGRICUL SCI TE	790	0.0	880	0.0	90	11.39
10081898	ALL OTHR ENGINEERING TECHNICIANS	2630	0.1	3000	0.1	370	14.07
10081899	ALL OTHER SCIENCE TECHNICIANS	1840	0.0	2080	0.0	240	13.04
10100000	MEDICAL WORKERS, EX TECHNS	44190	2.2	55630	2.4	11440	25.89
10100200	CHIROPRACTORS	170	0.0	220	0.0	50	29.41
10100400	DENTISTS	1640	0.0	2070	0.0	430	26.22
10100600	DIETITIANS &/OR NUTRITIONISTS	1010	0.0	1240	0.0	230	22.77
10100800	NURSES, PROFESSIONAL	26560	1.3	33550	1.5	6990	26.32
10101000	OPTOMETRISTS	250	0.0	280	0.0	30	12.00
10101200	PHARMACISTS	2860	0.1	3590	0.1	730	25.52
10101400	PHYSICIANS &/OR SURGEONS	6590	0.3	8350	0.3	1760	26.71
10101600	PODIATRISTS	110	0.0	140	0.0	30	27.27
10101800	THERAPISTS	4660	0.2	5820	0.2	1160	24.89
10101801	OCCUPATIONAL THERAPISTS	940	0.0	1230	0.0	290	30.85
10101802	MANUAL ARTS, MUSIC, REC THERAPISTS	330	0.0	390	0.0	60	18.18
10101803	SPEECH & HEARING CLINICIANS, ETC	1050	0.0	1230	0.0	180	17.14
10101804	PHYSICAL THERAPISTS	1200	0.0	1530	0.0	330	27.50
10101807	AUDIOMETRISTS	30	0.0	40	0.0	10	33.33
10101808	CORRECTIVE THERAPISTS	60	0.0	70	0.0	10	16.67
10101809	INHALATION THERAPISTS	660	0.0	840	0.0	180	27.27
10101810	ALL OTHER THERAPISTS	410	0.0	480	0.0	70	17.07
10102000	VETERINARIANS	330	0.0	400	0.0	70	21.21
10120000	OTHER HEALTH TECHNOLS & TECHNS	32310	1.6	39520	1.7	7210	22.32
10120200	CLINICAL LAB TECHNOLS & TECHNS	4960	0.2	5690	0.2	730	14.72
10120201	MEDICAL LAB TECHNOLOGISTS	2530	0.1	2830	0.1	300	11.86
10120202	BIOCHEMISTRY TECHNOLOGISTS	220	0.0	280	0.0	60	27.27
10120203	MICROBIOLOGY TECHNOLOGISTS	240	0.0	300	0.0	60	25.00
10120204	CYTOTECHNOLOGISTS	120	0.0	150	0.0	30	25.00

Table 8

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
10120205	HISTOLOGIC TECHNOLOGISTS	170	0.0	210	0.0	40	23.53
10120206	MEDICAL LAB ASSISTANTS	1270	0.0	1430	0.0	160	12.60
10120207	BLOOD BANK SPECIALISTS	250	0.0	310	0.0	60	24.00
10120208	MED & DENTAL TECHNOLS & TECHNS	160	0.0	180	0.0	20	12.50
10120400	DENTAL HYGIENISTS & ASSTS	5820	0.3	7310	0.3	1490	25.60
10120401	DENTAL ASSISTANTS	3860	0.2	4840	0.2	980	25.39
10120402	DENTAL HYGIENISTS	1960	0.1	2470	0.1	510	26.02
10120600	HEALTH RECORD TECHNOLOGISTS	480	0.0	600	0.0	120	25.00
10120800	RADIOLOGIC TECHNOLS, TECHNS	2420	0.1	3020	0.1	600	24.79
10120801	X-RAY TECHNICIANS	1800	0.0	2260	0.1	460	25.56
10120804	RADIOLOGIC TECHS & MUC MED TECHS	620	0.0	770	0.0	150	24.19
10121000	OTHER HEALTH TECHNOLS, TECHNS	18640	0.9	22890	1.0	4250	22.80
10121002	SURGICAL TECHNICIANS	1140	0.0	1430	0.0	290	25.44
10121003	RADIATION MONITORS	10	0.0	10	0.0	0	0.00
10121004	ORTHOPISTS	40	0.0	50	0.0	10	25.00
10121005	PROSTHETISTS, ORTHOTISTS	50	0.0	70	0.0	20	40.00
10121006	EKG TECHNICIANS	380	0.0	470	0.0	90	23.68
10121007	EEG TECHNICIANS	110	0.0	140	0.0	30	27.27
10121008	EMERGENCY MEDICAL TECHNICIANS	1020	0.0	1100	0.0	80	7.84
10121009	PHARMACY HELPERS	840	0.0	1030	0.0	190	22.62
10121010	LICENSED PRACTICAL NURSES	12280	0.6	15180	0.6	2900	23.62
10121011	DIETETIC TECHNICIANS	320	0.0	410	0.0	90	28.13
10121012	PHYSICAL THERAPY TECHNICIANS	690	0.0	870	0.0	180	26.09
10121014	PHYSICIANS ASSISTANTS	380	0.0	480	0.0	100	26.32
10121099	ALL OTHER MED & DENT TECHNICIANS	1360	0.0	1670	0.0	310	22.79
10140000	TECHNICIANS, EX HEALTH OR S&E	6450	0.3	7570	0.3	1120	17.36
10140200	AIRPLANE PILOTS	320	0.0	350	0.0	30	9.38
10140400	AIR TRAFFIC CONTROLLERS	140	0.0	170	0.0	30	21.43
10140600	EMBALMERS	210	0.0	260	0.0	50	23.81
10141000	RADIO OPERATORS	100	0.0	110	0.0	10	10.00
10141200	TOOL PROGRAMMERS, NUMERICAL CONT	350	0.0	660	0.0	310	88.57
10141400	OTHER TECHNS, EX HEALTH OR S&E	5330	0.2	6020	0.2	690	12.95
10141401	MUSEUM TECHNICIANS, RESTORERS	90	0.0	100	0.0	10	11.11
10141403	TAXIDERMISTS	*	*,**	*	*,**	*	*,**
10141404	ALL OTHER TECHNICIANS	4270	0.2	4820	0.2	550	12.88
10141405	TECHNICAL ASSISTANTS, LIBRARY	970	0.0	1100	0.0	130	13.40
10160000	COMPUTER SPECIALISTS	8630	0.4	13110	0.5	4480	51.91
10160200	COMPUTER PROGRAMMERS	4430	0.2	6160	0.2	1730	39.05
10160400	SYSTEMS ANALYSTS, EDP	4200	0.2	6960	0.3	2760	65.71
10180000	SOCIAL SCIENTISTS	2820	0.1	3300	0.1	480	17.02
10180200	ECONOMISTS	900	0.0	1070	0.0	170	18.89
10180201	FINANCIAL ANALYSTS	330	0.0	420	0.0	90	27.27

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
10180202	ECONOMISTS	370	0.0	410	0.0	40	10.81
10180204	MEDIA ANALYSTS	110	0.0	140	0.0	30	27.27
10180205	MARKET RESEARCH ANALYSTS	80	0.0	110	0.0	30	37.50
10180600	PSYCHOLOGISTS	1190	0.0	1380	0.0	190	15.97
10180800	SOCIOLOGISTS	40	0.0	50	0.0	10	25.00
10181000	URBAN AND REGIONAL PLANNERS	430	0.0	480	0.0	50	11.63
10181200	ALL OTHER SOCIAL SCIENTISTS	270	0.0	320	0.0	50	18.52
10200000	TEACHERS	88650	4.5	99700	4.4	11050	12.46
10201000	TEACHERS, ADULT EDUCATION	2420	0.1	3300	0.1	880	36.36
10202000	COLLEGE & UNIVERSITY TEACHERS	23490	1.2	24120	1.0	630	2.68
10202001	TEACHERS, VOCATIONAL ED OR TRAIN	2170	0.1	3390	0.1	1220	56.22
10202002	TEACHERS, COLLEGE	5380	0.2	5320	0.2	-60	-1.12
10202003	GRADUATE ASSISTANTS	3270	0.1	3040	0.1	-230	-7.03
10202004	EXTENSION SERVICE SPECIALISTS	320	0.0	370	0.0	50	15.63
10202005	PROFESSORS	3480	0.1	3310	0.1	-170	-4.89
10202006	ASSOC. PROFESSORS	3610	0.1	3430	0.1	-180	-4.99
10202007	ASST. PROFESSORS	4090	0.2	3890	0.1	-200	-4.89
10202008	LECTURERS	820	0.0	940	0.0	120	14.63
10202009	ATHLETIC COACHES	370	0.0	430	0.0	60	16.22
10203000	TEACHERS, ELE. PRES. & KIND.	37040	1.9	42770	1.9	5730	15.47
10205000	TEACHERS, SECONDARY	23920	1.2	27340	1.2	3420	14.30
10206000	TEACHERS, NEC	1780	0.0	2170	0.1	390	21.91
10206001	DANCE INSTRUCTORS	570	0.0	710	0.0	140	24.56
10206002	INSTRUCTORS, AUTO DRIVING	*	***	*	***	*	***
10206003	INSTRUCTORS, CORRESP. SCH.	10	0.0	10	0.0	0	0.00
10206099	ALL OTHER TEACHERS	1200	0.0	1440	0.0	240	20.00
10220000	WRITERS, ARTISTS, ENTERTAINERS	13200	0.6	15650	0.7	2450	18.56
10220200	ACTORS OR ACTRESSES	40	0.0	50	0.0	10	25.00
10220400	ATHLETES & KINDRED WORKERS	890	0.0	1160	0.0	270	30.34
10220401	ATHLETES	270	0.0	360	0.0	90	33.33
10220402	COACHES, PROFESSIONAL ATHLETES	20	0.0	30	0.0	10	50.00
10220403	SPORTS INSTRUCTORS	530	0.0	690	0.0	160	30.19
10220404	UMPIRES	60	0.0	70	0.0	10	16.67
10220405	ATHLETIC TRAINERS	10	0.0	10	0.0	0	0.00
10220800	DANCERS	150	0.0	190	0.0	40	26.67
10221000	DESIGNING OCCUPATIONS	2370	0.1	2710	0.1	340	14.35
10221001	DESIGNERS	2370	0.1	2710	0.1	340	14.35
10221003	FURRIERS	*	***	*	***	*	***
10221200	EDITORS & REPORTERS	3420	0.1	4060	0.1	640	18.71
10221201	WRITERS &/OR EDITORS	2310	0.1	2750	0.1	440	19.05
10221202	FILM EDITORS	30	0.0	30	0.0	0	0.00
10221203	REPORTERS & CORRESPONDENTS	1080	0.0	1280	0.0	200	18.52

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 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
10221400	MUSICIANS	750	0.0	930	0.0	180	24.00
10221404	MUSICIANS, INSTRUMENTAL	680	0.0	840	0.0	160	23.53
10221405	SINGERS	40	0.0	60	0.0	20	50.00
10221408	MUSIC DIRECTORS	30	0.0	30	0.0	0	0.00
10221600	PAINTERS & SCULPTORS	1510	0.0	1830	0.0	320	21.19
10221601	COMMERCIAL ARTISTS	1510	0.0	1830	0.0	320	21.19
10221604	PAINTERS, ARTISTIC	*	*,**	*	*,**	*	*,**
10221800	PHOTOGRAPHIC OCCUPATIONS	850	0.0	1000	0.0	150	17.65
10221802	TELEVISION CAMERA OPERATORS	80	0.0	60	0.0	-20	-25.00
10221805	PHOTOGRAPHERS	780	0.0	930	0.0	150	19.23
10222000	PUBLIC RELATIONS SPECIALISTS	1980	0.1	2450	0.1	470	23.74
10222200	RADIO, TV ANNOUNCERS	1240	0.0	1260	0.0	20	1.61
10222201	ANNOUNCERS	1100	0.0	1100	0.0	0	0.00
10222202	BROADCAST NEWS ANALYSTS	140	0.0	170	0.0	30	21.43
10240000	OTH PROFESSIONAL & TECHN WKRS	79460	4.0	94180	4.2	14720	18.53
10240200	ACCOUNTING OCCUPATIONS	15250	0.7	18600	0.8	3350	21.97
10240201	ACCOUNTANTS & AUDITORS	13580	0.7	16540	0.7	2960	21.80
10240202	BUDGET ANALYSTS	340	0.0	390	0.0	50	14.71
10240203	TAX EXAMINERS, COLLECTRS, REV AGTS	660	0.0	710	0.0	50	7.58
10240204	TAX PREPARERS	660	0.0	950	0.0	290	43.94
10240400	ARCHITECTS	640	0.0	800	0.0	160	25.00
10240600	ARCHIVISTS & CURATORS	110	0.0	120	0.0	10	9.09
10240601	ARCHIVISTS	*	*,**	*	*,**	*	*,**
10240603	MUSEUM CURATORS	100	0.0	110	0.0	10	10.00
10240800	BUYING OCCUPATIONS	7660	0.3	8750	0.3	1090	14.23
10240801	PURCHASING AGENTS &/OR BUYERS	3520	0.1	3930	0.1	410	11.65
10240803	MEDIA BUYERS	90	0.0	120	0.0	30	33.33
10240804	BUYERS, RETAIL &/OR WHOLSL TRADE	3980	0.2	4630	0.2	650	16.33
10240805	RIGHT-OF-WAY AGENTS	60	0.0	60	0.0	0	0.00
10241000	CLERGY	130	0.0	160	0.0	30	23.08
10241200	DIRECTORS, REL ACT &/OR REL ED	3310	0.1	4170	0.1	860	25.98
10241400	COUNTY AGRIC. SPECIALISTS	250	0.0	290	0.0	40	16.00
10241600	FORESTERS & CONSERV SCIENTISTS	730	0.0	790	0.0	60	8.22
10242000	JUDICIAL OCCUPATIONS	550	0.0	590	0.0	40	7.27
10242001	JUDGES	530	0.0	570	0.0	40	7.55
10242002	MAGISTRATES	20	0.0	20	0.0	0	0.00
10242200	LAWYERS & KINDRED WORKERS	5980	0.3	7770	0.3	1790	29.93
10242201	LAW CLERKS	1090	0.0	1360	0.0	270	24.77
10242202	LAWYERS	4220	0.2	5340	0.2	1120	26.54
10242203	PARALEGAL PERSONNEL	670	0.0	1080	0.0	410	61.19
10242400	LIBRARIANS & RELATED WORKERS	3880	0.2	4110	0.1	230	5.93
10242401	LIBRARIANS	3720	0.1	3930	0.1	210	5.65

Table 8

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AREA : O - WISCONSIN: STATEWIDE
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CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
10242402	AUDIO VISUAL SPECIALISTS	160	0.0	190	0.0	30	18.75
10242800	PERSONNEL & EMPLOYMENT WKRS	5990	0.3	6930	0.3	940	15.69
10242802	PERSONNEL, LABOR REL SPECIALISTS	4280	0.2	4980	0.2	700	16.36
10242803	EMPLOYMENT INTERVIEWERS	1700	0.0	1950	0.0	250	14.71
10243200	RECREATION WORKERS	2380	0.1	2890	0.1	510	21.43
10243201	GROUP RECREATION WORKERS	2350	0.1	2850	0.1	500	21.28
10243206	CAMP DIRECTORS	30	0.0	40	0.0	10	33.33
10243400	SOCIAL WORKERS	7030	0.3	7880	0.3	850	12.09
10243401	CASEWORKERS	5840	0.3	6450	0.2	610	10.45
10243404	WELFARE INVESTIGATORS	290	0.0	330	0.0	40	13.79
10243405	COMMUNITY ORGANIZATION WORKERS	900	0.0	1100	0.0	200	22.22
10243600	VOCATIONAL & EDUC COUNSELORS	3200	0.1	3430	0.1	230	7.19
10243800	MISC PROFESSIONAL WORKERS	22410	1.1	26900	1.2	4490	20.04
10243801	CURRICULUM SPECIALISTS	540	0.0	620	0.0	80	14.81
10243802	TECHNICAL DIRECTORS	60	0.0	40	0.0	-20	-33.33
10243804	SAFETY INSPECTORS	180	0.0	230	0.0	50	27.78
10243807	APPRAISERS	250	0.0	320	0.0	70	28.00
10243808	COST ESTIMATORS	1470	0.0	1700	0.0	230	15.65
10243809	CREDIT ANALYSTS, CHIEF	150	0.0	190	0.0	40	26.67
10243810	CREDIT ANALYSTS	440	0.0	560	0.0	120	27.27
10243811	TITLE EXAMINERS &/OR ABSTRACTORS	260	0.0	330	0.0	70	26.92
10243813	ESTIMATORS, PRINTING SERVICES	230	0.0	270	0.0	40	17.39
10243814	UNDERWRITERS	1550	0.0	2000	0.0	450	29.03
10243815	INVESTIGATORS, INSURANCE	100	0.0	130	0.0	30	30.00
10243816	APPRAISERS, REAL ESTATE	290	0.0	360	0.0	70	24.14
10243817	ASSESSORS	1230	0.0	1340	0.0	110	8.94
10243819	BROKER'S FL REPS, SEC TRADRS, ETC	60	0.0	80	0.0	20	33.33
10243820	SPECIAL AGENTS, INSURANCE	570	0.0	720	0.0	150	26.32
10243821	TRAVEL AGTS, TR ACCOM APPRAISERS	1140	0.0	1470	0.0	330	28.95
10243822	CLAIM EXAMINERS, PRPTY/CSLTY INS	790	0.0	1020	0.0	230	29.11
10243823	BLDG INSPECTORS, FIRE INSURANCE	30	0.0	40	0.0	10	33.33
10243825	CONTRACT ADMINISTRATORS	90	0.0	100	0.0	10	11.11
10243892	HOME ECONOMISTS	*	*,**	*	*,**	*	*,**
10243899	ALL OTHER PROFESSIONAL WORKERS	12970	0.6	15370	0.6	2400	18.50
20000000	MANAGERS & OFFICIALS	173440	8.9	201830	9.0	28390	16.37
20020000	SALES MANAGERS	5640	0.2	6570	0.2	930	16.49
20020800	SALES MANAGERS, RETAIL TRADE	5640	0.2	6570	0.2	930	16.49
20040000	ADMINISTRATORS, PUB INSPECTORS	13400	0.6	14970	0.6	1570	11.72
20040400	CONSTRUCTION INSPECTORS	650	0.0	730	0.0	80	12.31
20040800	PUBLIC ADM INSPECTORS, EX CONGT	1620	0.0	1760	0.0	140	8.64
20041000	CHIEF EXECUTIVES, LEGIS,	7290	0.3	7880	0.3	590	8.09
20041200	POSTMASTERS &/OR MAIL SUPERINTS	730	0.0	790	0.0	60	8.22

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
20041600	SCHOOL ADMINS.ELEM & SECONDARY	3100	0.1	3800	0.1	700	22.58
20041601	PRINCIPALS	1910	0.1	2210	0.1	300	15.71
20041602	ASST. PRINCIPALS	890	0.0	1240	0.0	350	39.33
20041603	SUPERINTENDENTS	300	0.0	350	0.0	50	16.67
20060000	OTHER MANAGERS,OFFICIALS,PROPS	154390	7.9	180290	8.0	25900	16.78
20060800	OFFICERS,PILOTS,PURERS,SHIP	250	0.0	270	0.0	20	8.00
20060801	CAPTAINS,WATER VESSEL	130	0.0	140	0.0	10	7.69
20060802	PILOTS,SHIP	120	0.0	130	0.0	10	8.33
20061200	FIRST-LINE RAILROAD SUPERVISORS	400	0.0	500	0.0	100	25.00
20061400	MANAGERS,REST'RANT,COFFEE SH,ETC	6870	0.3	7850	0.3	980	14.26
20061600	OTHER MANAGERS, ADMINISTRATORS	146870	7.5	171670	7.6	24800	16.89
20061612	MANAGERS,STORE	21760	1.1	25200	1.1	3440	15.81
20061613	MANAGERS,AUTO SERVICE DEPT	1610	0.0	1840	0.0	230	14.29
20061614	MANAGERS,AUTO PARTS DEPT	680	0.0	790	0.0	110	16.18
20061615	WHOLESALEERS	4670	0.2	5400	0.2	730	15.63
20061699	ALL OTHER MANAGERS	118150	6.0	138430	6.2	20280	17.16
30000000	SALES WORKERS	120060	6.1	140620	6.3	20560	17.12
30001000	INSURANCE AGENTS,BROKERS,ETC	4100	0.2	5180	0.2	1080	26.34
30001004	PLACERS	*	*. **	*	*. **	*	*. **
30001005	SALES AGENTS,SALES REPS,INSURANCE	4090	0.2	5180	0.2	1090	26.65
30001400	REAL ESTATE AGENTS,BROKERS	1280	0.0	1510	0.0	230	17.97
30001401	BUSINESS BROKERS	10	0.0	10	0.0	0	0.00
30001402	REAL ESTATE BROKERS	220	0.0	230	0.0	10	4.55
30001403	SALES AGENTS,SALES REPS,REAL EST	1050	0.0	1280	0.0	230	21.90
30001600	STOCK & BOND SALES AGENTS	1730	0.0	2190	0.1	460	26.59
30001601	BROKER & MARKET OPERATORS,COMMODO	20	0.0	30	0.0	10	50.00
30001604	SALES AGENTS,SALES REPS,FIN SERV	660	0.0	840	0.0	180	27.27
30001605	SALES AGENTS,SALES REPS,SECURITY	1040	0.0	1320	0.0	280	26.92
30001800	MISC SALES WORKERS	112960	5.8	131730	5.9	18770	16.62
30001802	SALES CLERKS	48810	2.5	56650	2.5	7840	16.06
30001803	VENDORS	50	0.0	60	0.0	10	20.00
30001804	CONTRIBUTION SOLICITORS	170	0.0	210	0.0	40	23.53
30001805	CRATING & MOVING ESTIMATORS	160	0.0	170	0.0	10	6.25
30001897	DEMONSTRATORS	110	0.0	140	0.0	30	27.27
30001899	ALL OTHER SALES WORKERS	63670	3.2	74510	3.3	10840	17.03
40000000	CLERICAL WORKERS	359860	18.5	422960	18.9	63100	17.53
40020000	STENOS,SECRETARIES,& TYPISTS	67360	3.4	81800	3.6	14440	21.44
40020200	SECRETARIES	44000	2.2	55970	2.5	11970	27.20
40020400	STENOGRAPHERS	5120	0.2	4710	0.2	-410	-8.01
40020600	TYPISTS	18240	0.9	21120	0.9	2880	15.79
40040000	OFFICE MACHINE OPERATORS	19370	1.0	22830	1.0	3460	17.86
40040200	OFFICE MACHINE OPERATORS	4950	0.2	6070	0.2	1120	22.63

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
40040201	BOOKKEEPING/BILLING MACH OPS	3760	0.1	4560	0.2	800	21.28
40040202	PROOF MACHINE OPERATORS	1130	0.0	1440	0.0	310	27.43
40040203	TRANSIT CLERKS	50	0.0	70	0.0	20	40.00
40040600	COMPUTER, PERIPHERAL EQUIP OPS	5470	0.2	8060	0.3	2590	47.35
40040601	COMPUTER OPERATORS	3980	0.2	5820	0.2	1840	46.23
40040602	PERIPHERAL EDP EQPT OPERATORS	1480	0.0	2240	0.1	760	51.35
40040800	DUPLICATING MACHINE OPERATORS	310	0.0	380	0.0	70	22.58
40041000	KEYPUNCH OPERATORS	7160	0.3	6600	0.3	-560	-7.82
40041200	TABULATING MACHINE OPERATORS	*	*,**	*	*,**	*	*,**
40041400	OTHER OFFICE MACHINE OPS	1490	0.0	1730	0.0	240	16.11
40041402	ADDRESSING MACHINE OPERATORS	90	0.0	110	0.0	20	22.22
40041404	INSERTING/LABELING MACH OPS	160	0.0	190	0.0	30	18.75
40041406	ALL OTHER OFFICE MACHINE OPS	1240	0.0	1420	0.0	180	14.52
40060000	OTHER CLERICAL WORKERS	273120	14.0	318320	14.2	45200	16.55
40060200	BANK TELLERS	11360	0.5	13960	0.6	2600	22.89
40060201	NEW ACCOUNTS TELLERS	1090	0.0	1290	0.0	200	18.35
40060203	TELLERS	10270	0.5	12680	0.5	2410	23.47
40060600	BOOKKEEPERS	31570	1.6	36180	1.6	4610	14.60
40060601	ACCOUNTING CLERKS	14620	0.7	16670	0.7	2050	14.02
40060603	BOOKKEEPERS, HAND	16950	0.8	19510	0.8	2560	15.10
40060800	CASHIERS	30750	1.5	38340	1.7	7590	24.68
40061000	ELIGIBILITY WORKERS, WELFARE	960	0.0	1060	0.0	100	10.42
40061200	CLERICAL SUPERVISORS	9890	0.5	11760	0.5	1870	18.91
40061400	COLLECTORS	1550	0.0	1850	0.0	300	19.35
40061600	COUNTER CLERKS, EX FOOD	8510	0.4	9830	0.4	1320	15.51
40061601	CAR RENTAL CLERKS	150	0.0	190	0.0	40	26.67
40061602	COUNTER CLERKS	1060	0.0	1310	0.0	250	23.59
40061603	DESK CLERKS	1290	0.0	1510	0.0	220	17.05
40061604	ORDER CLERKS	5030	0.2	5640	0.2	610	12.13
40061605	CIRCULATION CLERKS	280	0.0	320	0.0	40	14.29
40061606	CLASSIFIED AD CLERKS, NEWSPAPER	50	0.0	60	0.0	10	20.00
40061607	TELEPHONE AD TAKERS, NEWSPAPER	210	0.0	240	0.0	30	14.29
40061608	DESK CLERKS, BOWLING FLOOR	440	0.0	550	0.0	110	25.00
40061609	COUNTER CLERKS, TELEGRAPH OFFICE	*	*,**	*	*,**	*	*,**
40061800	DISPATCHERS, STARTERS, VEHICLE	2400	0.1	2640	0.1	240	10.00
40061801	DISPATCHERS, AIRPLANE	10	0.0	10	0.0	0	0.00
40061803	DISPATCHERS, POLICE, FIRE, AMBULANCE	1220	0.0	1340	0.0	120	9.84
40061804	DISPATCHERS, VEHICLE, SERV OR WK	1170	0.0	1290	0.0	120	10.26
40062000	SURVEY WORKERS	990	0.0	1270	0.0	280	28.28
40062200	ESTIMATORS, INVESTIGATORS, NEC	3590	0.1	4470	0.2	880	24.51
40062201	CREDIT AUTHORIZERS	170	0.0	200	0.0	30	17.65
40062202	CREDIT REFERENCE CLERKS	40	0.0	50	0.0	10	25.00

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
40062208	ADJUSTMENT CLERKS	1370	0.0	1590	0.0	220	16.06
40062209	CHECKING CLERKS	260	0.0	330	0.0	70	26.92
40062210	CLAIMS CLERKS	1270	0.0	1730	0.0	460	36.22
40062211	CREDIT REPORTERS	240	0.0	300	0.0	60	25.00
40062216	CUSTOMER SERV REPS,PRINT & PUBL	190	0.0	220	0.0	30	15.79
40062222	BOX ESTIMATORS	50	0.0	50	0.0	0	0.00
40062400	PRODUCTION CLERKS	4800	0.2	5360	0.2	560	11.67
40062600	FILE CLERKS & RELATED WORKERS	9290	0.4	10580	0.4	1290	13.89
40062601	FILE CLERKS	7120	0.3	8080	0.3	960	13.48
40062602	PERSONNEL CLERKS	1930	0.1	2220	0.1	290	15.03
40062603	ADMISSIONS EVALUATORS	240	0.0	280	0.0	40	16.67
40062800	CLAIM WORKERS,INSURANCE	1880	0.1	2700	0.1	820	43.62
40062801	CLAIM EXAMINERS,INSURANCE	520	0.0	680	0.0	160	30.77
40062803	CLAIM ADJUSTERS	1360	0.0	2020	0.0	660	48.53
40063000	LIBRARY ASSISTANTS	2840	0.1	3220	0.1	380	13.38
40063200	POSTAL MAIL CARRIERS	5800	0.3	6690	0.3	890	15.34
40063400	MAIL HANDLERS,EX POSTAL SERV	1410	0.0	1750	0.0	340	24.11
40063401	FREIGHT HANDLERS	10	0.0	10	0.0	0	0.00
40063402	MAIL CLERKS	1400	0.0	1740	0.0	340	24.29
40063600	MESSENGERS & OFFICER HELPERS	570	0.0	680	0.0	110	19.30
40063601	MESSENGERS,BANK	30	0.0	40	0.0	10	33.33
40063602	MESSENGERS	540	0.0	650	0.0	110	20.37
40063800	METER READERS	1140	0.0	1250	0.0	110	9.65
40064000	PAYROLL/TIMEKEEPING CLERKS	4480	0.2	5140	0.2	660	14.73
40064200	POSTAL SERVICE CLERKS	4630	0.2	4710	0.2	80	1.73
40064400	PROOFREADERS	370	0.0	440	0.0	70	18.92
40064410	PROOFREADERS,COMPOSED COPY	350	0.0	410	0.0	60	17.14
40064411	PROOFREADERS, CLERICAL	20	0.0	20	0.0	0	0.00
40064800	RECEPTIONISTS & RELATED WKRS	13000	0.6	15680	0.7	2680	20.62
40064801	INFORMATION CLERKS	20	0.0	20	0.0	0	0.00
40064802	RECEPTIONISTS	8430	0.4	10230	0.4	1800	21.35
40064803	SWITCHBD OPS/RECEPTIONISTS	4440	0.2	5290	0.2	850	19.14
40064804	TRAVEL COUNSELORS,AUTO CLUB	100	0.0	130	0.0	30	30.00
40065000	SHIPPING,RECEIVING OCCUPS	14650	0.7	16180	0.7	1530	10.44
40065001	SHIPPING & RECEIVING CLERKS	7300	0.3	8030	0.3	730	10.00
40065002	SHIPPING PACKERS	7330	0.3	8130	0.3	800	10.91
40065003	MANIFEST CLERKS	10	0.0	20	0.0	10	100.00
40065200	STATISTICAL CLERKS	4110	0.2	4970	0.2	860	20.92
40065201	GAS DISPATCHERS	20	0.0	20	0.0	0	0.00
40065202	CREW SCHEDULERS	*	***	*	***	*	***
40065204	ACTUARIAL CLERKS	60	0.0	80	0.0	20	33.33
40065205	BROKERAGE CLERKS	260	0.0	290	0.0	30	11.54

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
40065207	TRADE RECORDERS	30	0.0	40	0.0	10	33.33
40065208	MARGIN CLERKS	40	0.0	30	0.0	-10	-25.00
40065209	RATERS	910	0.0	1170	0.0	260	28.57
40065211	STATISTICAL CLERKS	1690	0.0	2010	0.0	320	18.93
40065212	WORKSHEET CLERKS	240	0.0	310	0.0	70	29.17
40065214	METER READERS, TAXI	*	*. **	*	*. **	*	*. **
40065215	TALLY CLERKS, SAW MILL	*	*. **	*	*. **	*	*. **
40065216	COURT CLERKS	510	0.0	560	0.0	50	9.80
40065217	INSURANCE CHECKERS	360	0.0	450	0.0	90	25.00
40065400	STOCK CLERKS, STORE KEEPERS	14310	0.7	16190	0.7	1880	13.14
40065402	PROCUREMENT CLERKS	1010	0.0	1110	0.0	100	9.90
40065404	STOCK CLERKS, STOCKRM, WAREHS, ETC	13230	0.6	15010	0.6	1780	13.45
40065405	YARD CLERKS	70	0.0	70	0.0	0	0.00
40065600	TEACHERS AIDES/EDUC ASSISTANTS	9690	0.5	11310	0.5	1620	16.72
40066000	TELEGRAPH OPERATORS	150	0.0	170	0.0	20	13.33
40066200	TELEPHONE OPERATORS	3460	0.1	2860	0.1	400	11.56
40066201	SWITCHBOARD OPERATORS	2320	0.1	2710	0.1	390	16.81
40066202	CENTRAL OFFICE OPERATORS	710	0.0	690	0.0	-20	-2.82
40066203	DIRECTORY ASSISTANCE OPERATORS	420	0.0	440	0.0	20	4.76
40066204	PRIVATE BRANCH SERVICE ADVISORS	20	0.0	20	0.0	0	0.00
40066400	TICKET, STATION, EXPRESS AGENTS	1120	0.0	1130	0.0	10	0.89
40066401	STATION AGENTS	50	0.0	40	0.0	-10	-20.00
40066402	TRAFFIC AGENTS	260	0.0	280	0.0	20	7.69
40066403	RESERVATION AGENTS	120	0.0	110	0.0	-10	-8.33
40066404	TRANSPORTATION AGENTS	160	0.0	170	0.0	10	6.25
40066405	TICKET AGENTS	520	0.0	520	0.0	0	0.00
40066600	WEIGHERS, RECORD KEEPING	270	0.0	280	0.0	10	3.70
40066800	ALL OTHER CLERICAL WORKERS	73610	3.7	84690	3.7	11080	15.05
40066801	LOAN CLOSERS	900	0.0	1160	0.0	260	28.89
40066802	DIVIDEND CLERKS	50	0.0	50	0.0	0	0.00
40066803	COIN MACH OPS/CURRENCY SORTERS	80	0.0	100	0.0	20	25.00
40066804	CALL-OUT OPERATORS	320	0.0	390	0.0	70	21.88
40066805	CANCELLATION CLERKS	70	0.0	90	0.0	20	28.57
40066807	CORRESPONDENCE CLERKS	620	0.0	780	0.0	160	25.81
40066808	SERVICE REPRESENTATIVES	910	0.0	980	0.0	70	7.69
40066809	MEDIA CLERKS/ESTIMATORS/BILLERS	90	0.0	120	0.0	30	33.33
40066810	FOREIGN REPORTERS	*	*. **	*	*. **	*	*. **
40066811	GENERAL CLERKS, OFFICE	42170	2.1	47220	2.1	5050	11.98
40066812	IN-FILE OPERATORS	100	0.0	130	0.0	30	30.00
40066814	SECURITIES CASHIERS, EXCHANGE	70	0.0	90	0.0	20	28.57
40066815	POLICY CHANGE CLERKS	1310	0.0	1680	0.0	370	28.24
40066816	PURCHASE & SALES CLERKS, SECURITY	30	0.0	20	0.0	-10	-33.33

Table 8

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
40066818	REAL ESTATE CLERKS	180	0.0	230	0.0	50	27.78
40066820	SAFE DEPOSIT CLERKS	330	0.0	420	0.0	90	27.27
40066822	SECURITY DESCRIPTION CLERKS	20	0.0	20	0.0	0	0.00
40066823	STATEMENT CLERKS	560	0.0	720	0.0	160	28.57
40066824	SERVICE CLERKS	720	0.0	840	0.0	120	16.67
40066825	TITLE SEARCHERS	70	0.0	90	0.0	20	28.57
40066826	TRAFFIC CLERKS	140	0.0	150	0.0	10	7.14
40066827	TRANSFER CLERKS	50	0.0	60	0.0	10	20.00
40066828	TRAVEL CLERKS	20	0.0	20	0.0	0	0.00
40066829	MARKING CLERKS TRADE	850	0.0	990	0.0	140	16.47
40066831	PROTECTIVE SIGNAL OPERATORS	80	0.0	100	0.0	20	25.00
40066833	FILM BOOKERS	*	***	*	***	*	***
40066834	SHADE TICKET MARKERS	*	***	*	***	*	***
40066838	RATE CLERKS,FREIGHT	280	0.0	300	0.0	20	7.14
40066840	TOWN CLERKS	1130	0.0	1240	0.0	110	9.73
40066841	CREDIT CLERKS,BANK&/ORINSURANCE	770	0.0	980	0.0	210	27.27
40066842	MORTGAGE CLOSING CLERKS	570	0.0	740	0.0	170	29.82
40066844	SORTING CLERKS,BANK	200	0.0	260	0.0	60	30.00
40066845	INSURANCE CLERKS	190	0.0	230	0.0	40	21.05
40066846	INSURANCE CLERKS,MEDICAL	2380	0.1	3000	0.1	620	26.05
40066847	SCRIPT CLERKS	*	***	*	***	*	***
40066848	LICENSE CLERKS	50	0.0	50	0.0	0	0.00
40066898	ALL OTHER OFFICE CLERICAL WKRS	14790	0.7	16800	0.7	2010	13.59
40066899	ALL OTHER PLANT CLERICAL WKRS	3540	0.1	4640	0.2	1100	31.07
50000000	CRAFTS & KINDRED WORKERS	201610	10.3	227180	10.1	25570	12.68
50020000	CONSTRUCTION CRAFTS WORKERS	39110	2.0	44250	1.9	5140	13.14
50020200	CARPENTERS	10480	0.5	11890	0.5	1410	13.45
50020201	CARPENTERS	10330	0.5	11720	0.5	1390	13.46
50020204	SHIPWRIGHTS	*	***	*	***	*	***
50020205	PICTURE FRAMERS	140	0.0	170	0.0	30	21.43
50020600	BRICKMASONS & STONEMASONS	1550	0.0	1810	0.0	260	16.77
50020601	BRICKLAYERS	1390	0.0	1630	0.0	240	17.27
50020602	STONE MASONS	70	0.0	80	0.0	10	14.29
50020606	REFRACTORY MATERIALS REPAIRERS	90	0.0	100	0.0	10	11.11
50021000	LOGGING TRACTOR OPERATORS	400	0.0	430	0.0	30	7.50
50021200	CEMENT MASONS	1920	0.1	2210	0.1	290	15.10
50021201	CEMENT MASONS	1870	0.1	2150	0.1	280	14.97
50021202	CONCRETE WALL GRINDER OPERATORS	*	***	*	***	*	***
50021203	CONCRETE RUBBERS	40	0.0	40	0.0	0	0.00
50021206	TERRAZZO WORKERS	20	0.0	20	0.0	0	0.00
50021400	ELECTRICIANS	7470	0.3	8360	0.3	890	11.91
50021401	ELECTRICIANS	7470	0.3	8360	0.3	890	11.91

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50021800	EXCAVATING, GRADING MACH OPS	5640	0.2	6350	0.2	710	12.59
50021802	CONCRETE MIXER OPERATORS	40	0.0	50	0.0	10	25.00
50021803	DREDGE OPERATORS	10	0.0	10	0.0	0	0.00
* 50021805	FINE GRADERS	*	*,**	*	*,**	*	*,**
* 50021806	FORM TAMPER OPERATORS, ETC	*	*,**	*	*,**	*	*,**
50021807	HEAVY EQUIPMENT OPERATORS	5450	0.2	6130	0.2	680	12.49
50021809	BATCH PLANT OPERATORS	100	0.0	120	0.0	20	20.00
50021810	BALLAST CLEAN MACH OPERATORS, ETC	40	0.0	40	0.0	0	0.00
50022000	FLOOR SANDING MACHINE OPERATORS	10	0.0	10	0.0	0	0.00
50022200	PAINTERS, MAINTENANCE	2740	0.1	3140	0.1	400	14.60
50022600	PAPERHANGERS	80	0.0	90	0.0	10	12.50
50022800	PLASTERERS & RELATED OCCUPS	220	0.0	200	0.0	-20	-9.09
50022801	PLASTERERS	220	0.0	200	0.0	-20	-9.09
50023200	PLUMBERS & PIPEFITTERS	5850	0.3	6570	0.2	720	12.31
50023203	PLUMBERS &/OR PIPEFITTERS	5840	0.3	6570	0.2	730	12.50
* 50023204	INSTRUMENT FITTERS	*	*,**	*	*,**	*	*,**
50023600	ROOFERS	1040	0.0	1190	0.0	150	14.42
50023800	STRUCTURAL STEEL WORKERS	850	0.0	760	0.0	110	16.92
50023900	OTHER STRUCTURAL STEEL WORKERS	590	0.0	680	0.0	90	15.25
50023901	METAL FABRICATORS	370	0.0	430	0.0	60	16.22
50023902	FITTERS, STRUCTURAL METAL	220	0.0	250	0.0	30	13.64
50024000	TILE INSTALLING OCCUPS	470	0.0	550	0.0	80	17.02
50024001	TILE SETTERS	170	0.0	200	0.0	30	17.65
50024002	CEILING TILE INSTALLRS, FLR LAYRS	300	0.0	350	0.0	50	16.67
50040000	BLUE COLLAR WORKER SUPVSRS	23310	1.2	25580	1.1	2270	9.74
50040003	SUPERVISORS, NONWORKING	23310	1.2	25580	1.1	2270	9.74
50060000	METAL WKG CRAFTS WKRS, EX MECH	21970	1.1	23910	1.0	1940	8.83
50060200	BLACKSMITHS	30	0.0	40	0.0	10	33.33
50060400	BOILERMAKERS	240	0.0	270	0.0	30	12.50
50060600	HEAT TREATERS, ANNEALERS, ETC	660	0.0	730	0.0	70	10.61
50060800	FORGE & HAMMER OPERATORS	130	0.0	150	0.0	20	15.38
50060802	FORGING PRESS OPERATORS	90	0.0	100	0.0	10	11.11
50060803	HAMMERSMITHS, OPEN DIE	30	0.0	30	0.0	0	0.00
50060804	HEADER OPERATORS	10	0.0	10	0.0	0	0.00
50061000	JOB & DIE SETTERS, METAL	3290	0.1	3760	0.1	470	14.29
50061002	DIE SETTERS	110	0.0	120	0.0	10	9.09
50061003	MACHINE TOOL SETTERS, METALWRKNG	1870	0.1	2140	0.1	270	14.44
50061005	SETTERS, MOLDING & COREMKG MACH	40	0.0	40	0.0	0	0.00
50061007	PUNCH PRESS SETTERS, METAL	870	0.0	970	0.0	100	11.49
50061008	SHEAR &/OR SLITTER SETTERS	120	0.0	130	0.0	10	8.33
50061009	SETTERS, PLASTIC MOLDING MACHINE	280	0.0	360	0.0	80	28.57
50061200	MACHINING OCCUPATIONS	4150	0.2	4740	0.2	590	14.22

OES INDUSTRY EMPLOYMENT AND PERCENT
DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50061202	LAYOUT MARKERS, METAL	400	0.0	430	0.0	30	7.50
50061206	MACHINISTS	3760	0.1	4310	0.1	550	14.63
50061600	MILLWRIGHTS	2400	0.1	2650	0.1	250	10.42
50061800	MOLDERS, METAL	1590	0.0	1330	0.0	-260	-16.35
50061804	MOLDERS, BENCH &/OR FLOOR	420	0.0	380	0.0	-40	-9.52
50061805	MOLDERS, MACHINE (METAL)	970	0.0	810	0.0	-160	-16.49
50061806	MOLDERS, PATTERN	20	0.0	20	0.0	0	0.00
50061808	SHELL MOLD/SH CORE MACH OPERATRS	170	0.0	120	0.0	-50	-29.41
50062200	PATTERN & MODEL MAKERS	660	0.0	670	0.0	10	1.52
50062202	PATTERNMAKERS, PLASTICS	20	0.0	20	0.0	0	0.00
50062203	PATTERNMAKERS, METAL	190	0.0	190	0.0	0	0.00
50062204	PATTERNMAKERS, WOOD	420	0.0	420	0.0	0	0.00
50062209	MODEL &/OR MOLD MAKERS	30	0.0	40	0.0	10	33.33
50062400	ROLLERS & FINISHERS, METAL	150	0.0	170	0.0	20	13.33
50062403	FORGING/STRAIGHTENING ROLL OPS	80	0.0	90	0.0	10	12.50
50062415	ROLLING MILL OPS/ATTENDANTS	40	0.0	40	0.0	0	0.00
50062416	ROLLING MILL OPERATOR HELPERS	30	0.0	30	0.0	0	0.00
50062600	SHEET METAL WORKERS	3650	0.1	4090	0.1	440	12.05
50063000	TOOLMAKERS & DIEMAKERS	5020	0.2	5310	0.2	290	5.78
50063001	TOOL & DIE MAKERS	4960	0.2	5250	0.2	290	5.85
50063003	DIE SINKERS	60	0.0	60	0.0	0	0.00
50080000	MECHS, REPAIRERS, INSTALLERS	43640	2.2	51140	2.2	7500	17.19
50080200	REFRIG MECHANICS, A/C MECHANICS	1790	0.0	2050	0.0	260	14.53
50080400	AIRCRAFT MECHANICS	470	0.0	510	0.0	40	8.51
50080600	AUTO SEAT COVER, TOP INSTALLERS	70	0.0	80	0.0	10	14.29
50080800	AUTO BODY REPAIRERS	2300	0.1	2560	0.1	260	11.30
50081000	AUTOMOTIVE MECHANICS	15240	0.7	17800	0.8	2560	16.80
50081001	AUTOMOTIVE MECHANICS	15120	0.7	17660	0.7	2540	16.80
50081003	AUTO REPAIR SERVICE ESTIMATORS	120	0.0	140	0.0	20	16.67
50081400	DATA PROCESSING MACH MECHANICS	470	0.0	1230	0.0	760	161.70
50081600	FARM EQUIPMENT MECHANICS	930	0.0	1090	0.0	160	17.20
50081800	HEAVY EQUIP MECHS, INC DIESEL	8540	0.4	9490	0.4	950	11.12
50081803	ENGINEERING EQUIPMT MECHANICS	840	0.0	920	0.0	80	9.52
50081804	HYDROELECTRIC MACHINE MECHS, ETC	230	0.0	250	0.0	20	8.70
• 50081805	MINE MACHINERY MECHANICS	*	*. **	*	*. **	*	*. **
50081806	MARINE MECHANICS/REPAIRERS	100	0.0	110	0.0	10	10.00
50081807	MAINTENANCE MECHANICS	7020	0.3	7880	0.3	860	12.25
• 50081808	POWER TRANSFORMER REPAIRERS	*	*. **	*	*. **	*	*. **
50081810	TREATMENT PLANT MECHANICS	130	0.0	140	0.0	10	7.69
50081811	KNITTING MACHINE FIXERS	220	0.0	180	0.0	-40	-18.18
• 50081814	SECTION REPAIRERS & SETTERS	*	*. **	*	*. **	*	*. **
50082000	HOUSEHOLD APPL MECHS & INST	1570	0.0	1770	0.0	200	12.74

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : C - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50082002	ELECTRIC METER INSTALLERS,ETC	80	0.0	90	0.0	10	12.50
50082004	GAS METER INSTALLERS	90	0.0	100	0.0	10	11.11
50082005	GAS & ELEC APPLIANCE REPAIRERS	1020	0.0	1140	0.0	120	11.76
50082007	HOUSEHOLD APPLIANCE INSTALLERS	210	0.0	270	0.0	60	28.57
50082009	WATER METER INSTALLERS	160	0.0	170	0.0	10	6.25
50082200	LOOM FIXERS	*	*. **	*	*. **	*	*. **
50082400	OFF MACH SERVICERS/CASH REG SERV	840	0.0	1440	0.0	600	71.43
50082600	RADIO & TV SERVICERS & REPAIRERS	970	0.0	1150	0.0	180	18.56
50082800	RAILROAD CAR SHOP REPAIRERS	430	0.0	470	0.0	40	9.30
50082801	ELECTRIC TRACK SWITCH MAINTAINRS	10	0.0	10	0.0	0	0.00
50082802	SIGNAL MAINTAINERS	60	0.0	60	0.0	0	0.00
50082803	CAR REPAIRERS	360	0.0	390	0.0	30	8.33
50083200	OTH MECHANICS,REPAIRERS,INST	10030	0.5	11500	0.5	1470	14.66
50083201	DRAPERY HANGERS	40	0.0	50	0.0	10	25.00
50083202	BICYCLE REPAIRERS	170	0.0	200	0.0	30	17.65
50083203	CAMERA REPAIRERS	20	0.0	20	0.0	0	0.00
50083204	ELECTRIC MOTOR REPAIRERS	390	0.0	480	0.0	90	23.08
50083205	ELECTRIC TOOL REPAIRERS	30	0.0	40	0.0	10	33.33
50083206	ELECTRICAL INSTRUMENT REPAIRERS	320	0.0	350	0.0	30	9.38
50083207	GASOLINE ENGINE,MOWER REPAIRERS	330	0.0	390	0.0	60	18.18
50083208	GUNSMITHS	*	*. **	*	*. **	*	*. **
50083211	LAUNDRY MACHINE MECHANICS	300	0.0	360	0.0	60	20.00
50083212	LOCKSMITHS	90	0.0	110	0.0	20	22.22
50083215	COIN MACHINE SERVICERS,REPAIRERS	940	0.0	1130	0.0	190	20.21
50083218	SEWING MACHINE MECHANICS	70	0.0	80	0.0	10	14.29
50083220	PROTECTIVE SIGNAL INST/REPAIRERS	50	0.0	70	0.0	20	40.00
50083221	INSTRUMENT REPAIRERS	550	0.0	590	0.0	40	7.27
50083222	DIESEL MECHANICS	3330	0.1	3760	0.1	430	12.91
50083224	ELECTROMEDICAL EQUIPMT REPAIRERS	110	0.0	140	0.0	30	27.27
50083225	PINSETTER MECHANICS,AUTOMATIC	170	0.0	210	0.0	40	23.53
50083226	MOTOR BOAT MECHANICS	270	0.0	310	0.0	40	14.81
50083227	ELECTRONIC MECHANICS	90	0.0	90	0.0	0	0.00
50083230	SIGN ERECTORS	100	0.0	130	0.0	30	30.00
50083299	ALL OTHER MECHANICS & REPAIRERS	2660	0.1	2990	0.1	330	12.41
50100000	PRINTING TRADE CRAFTS WKRS	13530	0.7	15270	0.6	1740	12.86
50100200	BOOKBINDING OCCUPATIONS	4060	0.2	4090	0.1	30	0.74
50100202	SETTERS,BINDERY MACHINES	160	0.0	180	0.0	20	12.50
50100204	BOOKBINDERS,HAND	130	0.0	150	0.0	20	15.38
50100205	BOOKBINDERS,MACHINE	690	0.0	810	0.0	120	17.39
50100206	BINDERY WORKERS,ASSEMBLY	1360	0.0	1310	0.0	-50	-3.68
50100207	BINDERY WORKERS,STITCHING	240	0.0	250	0.0	10	4.17
50100208	ALL OTHER BINDERY WORKERS	1490	0.0	1390	0.0	-100	-6.71

Table 8

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AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

BASE YEAR 1984

PROJ YEAR 1995

CODE	OCCUPATION TITLE	EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL	CHANGE IN EMPLOYMENT	PERCENT CHANGE
50100400	COMPOSITORS &/OR TYPESETTERS	2170	0.1	1960	0.0	-210	-9.68
• 50100600	ELECTROTYPERS, STEREOTYPERS	*	***	*	***	*	***
• 50100601	ELECTROTYPERS	*	***	*	***	*	***
50100800	ENGRAVERS, EXC PHOTOENGRAVERS	390	0.0	440	0.0	50	12.82
50100803	ETCHERS &/OR ENGRAVERS	390	0.0	440	0.0	50	12.82
50101000	PHOTOENGRAVERS, LITHOGRAPHERS	2000	0.1	2680	0.1	680	34.00
50101001	STRIPPERS PRINTING	1020	0.0	1470	0.0	450	44.12
50101002	CAMERA OPERATORS, PRINTING	740	0.0	930	0.0	190	25.68
50101003	PHOTOENGRAVERS	240	0.0	270	0.0	30	12.50
50101200	PRESS & PLATE PRINTERS	4910	0.2	6100	0.2	1190	24.24
50101201	PRESS OPERATORS, PLATE PRINTERS	1290	0.0	1480	0.0	190	14.73
50101202	OFFSET LITHOGRAPHIC PRESS OPS	2310	0.1	2890	0.1	580	25.11
50101203	PLATEMAKERS	420	0.0	760	0.0	340	80.95
50101205	FLEXOGRAPHIC PRESS OPERATORS	180	0.0	210	0.0	30	16.67
50101206	GRAVURE PRESS OPERATORS	30	0.0	40	0.0	10	33.33
50101207	LETTER PRESS OPERATORS	570	0.0	600	0.0	30	5.26
50101208	LETTERSET PRESS OPERATORS	30	0.0	40	0.0	10	33.33
50101209	STEEL DIE PRESS OPERATORS	30	0.0	30	0.0	0	0.00
50101210	PROOF PRESS OPERATORS	40	0.0	50	0.0	10	25.00
50120000	TRANS, PUB UTIL CRAFTS WKRS	7340	0.3	7830	0.3	490	6.68
50120200	ELEC POWER LINE INST, REPAIRS	3080	0.1	3360	0.1	280	9.09
50120201	CABLE SPLICERS	510	0.0	550	0.0	40	7.84
50120202	LINE INSTALLERS, REPAIRERS	2420	0.1	2650	0.1	230	9.50
50120203	TROUBLE SHOOTERS, POWER LINE	150	0.0	160	0.0	10	6.67
50120400	LOCOMOTIVE ENGINEER OCCUPS	510	0.0	690	0.0	180	35.29
50120402	YARD ENGINEERS	190	0.0	260	0.0	70	36.84
50120403	HOSTLERS	100	0.0	130	0.0	30	30.00
50120405	LOCOMOTIVE ENGINEERS	230	0.0	300	0.0	70	30.43
50120600	LOCOMOTIVE ENGINEER HELPERS	130	0.0	50	0.0	-80	-61.54
50120800	SWITCHBOARD OPS, GENERATING PLANT	360	0.0	390	0.0	30	8.33
50121000	TELEPHONE INSTALLERS, REPAIRS	3250	0.1	3350	0.1	100	3.08
50121001	INSTALLERS, REPAIRERS, SEC MAINTS	1720	0.0	1950	0.0	230	13.37
50121003	STATION INSTALLERS	70	0.0	80	0.0	10	14.29
• 50121004	TELEGRAPH EQUIPMT MAINTAINERS	*	***	*	***	*	***
50121007	CABLE REPAIRERS	140	0.0	150	0.0	10	7.14
50121008	CABLE INSTALLERS	180	0.0	190	0.0	10	5.56
50121009	FRAME WIRERS	90	0.0	90	0.0	0	0.00
50121010	CENTRAL OFFICE REPAIRERS	820	0.0	700	0.0	-120	-14.63
50121011	TROUBLE LOCATORS, TEST DESK	220	0.0	170	0.0	-50	-22.73
• 50121012	TELEGRAPH PLANT MAINTAINERS	*	***	*	***	*	***
50121013	SHOP REPAIRERS, INSTRUMENT	10	0.0	10	0.0	0	0.00
• 50121014	TELETYPE INSTALLERS	*	***	*	***	*	***

Table 8

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50140000	OTHER CRAFTS,KINDRED WORKERS	52710	2.7	59200	2.6	6490	12.31
50140200	BAKING OCCUPATIONS	750	0.0	830	0.0	80	10.67
50140201	FOOD SHAPERS,HAND	30	0.0	30	0.0	0	0.00
50140202	BAKERS	620	0.0	680	0.0	60	9.68
50140205	CAKE DECORATORS	110	0.0	130	0.0	20	18.18
50140400	CABINETMAKERS	910	0.0	970	0.0	60	6.59
50140600	CARPET CUTTERS,CARPET LAYERS	730	0.0	850	0.0	120	16.44
50140800	CRANE,DERRICK,HOIST OCCUPS	1860	0.1	2090	0.0	230	12.37
50140801	CRANE,DERRICK,& HOIST OPERATORS	1830	0.0	2060	0.0	230	12.57
50140802	LOADER ENGINEERS	20	0.0	20	0.0	0	0.00
50140803	YARDER ENGINEERS	10	0.0	10	0.0	0	0.00
50141000	MERCHAN DISPLAYERS & WIND TRMRS	240	0.0	320	0.0	80	33.33
50141200	DENTAL LAB TECHNICIANS	950	0.0	1210	0.0	260	27.37
50141400	FURNITURE FINISHERS	250	0.0	290	0.0	40	16.00
50141800	GLAZING OCCUPATIONS	910	0.0	1070	0.0	160	17.58
50141801	GLASS INSTALLERS	150	0.0	190	0.0	40	26.67
50141802	GLAZIERS	760	0.0	880	0.0	120	15.79
50142000	INSPECTORS,LOG & LUMBER	360	0.0	380	0.0	20	5.56
50142001	LOG INSPECTORS,GRADERS,SCALERS	110	0.0	110	0.0	0	0.00
50142002	LUMBER GRADERS	100	0.0	110	0.0	10	10.00
50142003	VENEER GRADERS	150	0.0	160	0.0	10	6.67
50142004	SORTER OPERATORS,GREEN LUMBER	*	*,**	*	*,**	*	*,**
50142200	OTHER INSPECTION OCCUPS	13650	0.7	15150	0.6	1500	10.99
50142202	INSPECTORS	9580	0.4	10790	0.4	1210	12.63
50142205	TESTERS	4060	0.2	4360	0.2	300	7.39
50142400	JEWELERS & WATCHMAKERS	430	0.0	480	0.0	50	11.63
50142401	JEWELERS &/OR SILVERSMITHS	250	0.0	300	0.0	50	20.00
50142402	WATCHMAKERS	160	0.0	170	0.0	10	6.25
50142410	STONE SETTERS	20	0.0	20	0.0	0	0.00
50142600	MILLING OCCS,GRAIN,FLOUR,FEED	80	0.0	70	0.0	-10	-12.50
50142603	MILLERS	80	0.0	70	0.0	-10	-12.50
50142800	MOTION PICTURE PROJECTIONISTS	230	0.0	290	0.0	60	26.09
50143000	OPTICIANS,LENS GRINDRS,POLISH	880	0.0	1110	0.0	230	26.14
50143001	LENS GRINDERS	90	0.0	110	0.0	20	22.22
50143002	OPTICIANS,DISP &/OR OPTIC MECHS	790	0.0	1000	0.0	210	26.58
50143400	SHIPFITTERS	540	0.0	510	0.0	-30	-5.56
50143600	SHOE REPAIRING OCCUPATIONS	120	0.0	140	0.0	20	16.67
50143601	SHOE DYERS	20	0.0	30	0.0	10	50.00
50143602	SHOE REPAIRERS	70	0.0	90	0.0	20	28.57
50143603	COBBLERS	30	0.0	30	0.0	0	0.00
50144000	STATIONARY ENGINEERING OCCUPS	3600	0.1	3480	0.1	-120	-3.33
50144002	CONTROL ROOM OPERATORS,STEAM	260	0.0	210	0.0	-50	-19.23

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50144004	AUXILIARY EQUIPMENT OPERATORS	500	0.0	420	0.0	-80	-16.00
• 50144005	GAS COMPRESSOR OPERATORS	*	•••	*	•••	*	•••
50144013	SEWAGE PLANT OPERATORS	1090	0.0	920	0.0	-170	-15.60
50144014	STATIONARY ENGINEERS	880	0.0	970	0.0	90	10.23
50144015	TURBINE OPERATORS	70	0.0	70	0.0	0	0.00
50144019	PUMP STAT OPERATORS, WATERWORKS	110	0.0	120	0.0	10	9.09
• 50144021	WASTE TREATMENT PLANT OPS, CHEM	*	•••	*	•••	*	•••
• 50144024	STATION ENGINEERS, MAIN LINE	*	•••	*	•••	*	•••
50144025	WATER TREATMENT PLANT OPERATORS	520	0.0	580	0.0	60	11.54
50144026	SHIP ENGINEERS	170	0.0	190	0.0	20	11.76
50144200	STONE CUTTING & CARVING OCCUP	40	0.0	40	0.0	0	0.00
• 50144202	CONTOUR GRINDERS	*	•••	*	•••	*	•••
50144204	STONE CUTTERS, HAND	30	0.0	40	0.0	10	33.33
50144400	TAILORS	920	0.0	1080	0.0	160	17.39
50144401	ALTERATION TAILORS	860	0.0	1010	0.0	150	17.44
50144402	CUSTOM TAILORS	40	0.0	50	0.0	10	25.00
50144403	ALL-AROUND TAILORS	10	0.0	20	0.0	10	100.00
• 50144405	SAMPLE MAKERS	*	•••	*	•••	*	•••
50144600	UPHOLSTERING OCCUPATIONS	750	0.0	750	0.0	0	0.00
50144601	FURNITURE UPHOLSTERERS	110	0.0	140	0.0	30	27.27
50144602	CUSHION MAKERS	10	0.0	10	0.0	0	0.00
50144603	SPRINGERS	70	0.0	70	0.0	0	0.00
50144604	UPHOLSTERY TRIMMERS	30	0.0	30	0.0	0	0.00
50144605	UPHOLSTERERS	370	0.0	360	0.0	-10	-2.70
50144606	UPHOLSTERY CUTTERS	80	0.0	80	0.0	0	0.00
50144607	CASKET COVERERS/CASKET LINERS	20	0.0	20	0.0	0	0.00
50144608	MATTRESS MAKERS	50	0.0	50	0.0	0	0.00
50144800	CRAFTS & KINDRED WORKERS, NEC	24530	1.2	28090	1.2	3560	14.51
• 50144801	PIPELINERS	*	•••	*	•••	*	•••
• 50144803	CONDUIT MECHANICS	*	•••	*	•••	*	•••
• 50144805	GLASS BLOWERS	*	•••	*	•••	*	•••
• 50144806	HARNESS MAKERS	*	•••	*	•••	*	•••
• 50144807	LEATHER STAMPERS, HAND	*	•••	*	•••	*	•••
50144808	MACHINE SETTERS, WOODWORKING	200	0.0	210	0.0	10	5.00
50144811	INSTRUCTORS, LEATHER/FOOTWR MACH	10	0.0	10	0.0	0	0.00
• 50144812	SHIP RIGGERS	*	•••	*	•••	*	•••
50144815	INSTRUCTORS, APPAREL & TEXT MACH	20	0.0	20	0.0	0	0.00
• 50144817	ARTIFICIAL APPLIANCE MAKERS	*	•••	*	•••	*	•••
50144819	MACHINE SETTERS, PAPER GOODS	140	0.0	130	0.0	-10	-7.14
50144821	MAINTENANCE REPAIRERS, GEN UTIL	15090	0.7	17460	0.7	2370	15.71
50144822	FORMING MACH MAINTAINERS, GLASS	20	0.0	20	0.0	0	0.00
50144825	MOBILE HOME REPAIRERS	90	0.0	100	0.0	10	11.11

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
50144826	MUSICAL INSTRUMENTS REPAIRERS	170	0.0	200	0.0	30	17.65
50144827	CORROSION CONTROL FITTERS	110	0.0	120	0.0	10	9.09
50144828	CRATERS	10	0.0	10	0.0	0	0.00
50144899	ALL OTHER SKILLED CRAFT WORKERS	8640	0.4	9780	0.4	1140	13.19
61000000	OPERATIVES, EX TRANSPORTATION	202760	10.4	215100	9.6	12340	6.09
61020000	SEMISKILLED METALWORKING OPS	48660	2.5	52470	2.3	3810	7.83
61020200	DRILL PRESS OPERATIVES	4880	0.2	5100	0.2	220	4.51
61020201	DRILL PRESS/BORING MACHINE OPS	4880	0.2	5100	0.2	220	4.51
61020400	FURNACE TNDRS, SMELTERS, POURERS	1470	0.0	1620	0.0	150	10.20
61020401	TAPPERS, METAL	*	*,**	*	*,**	*	*,**
61020404	CASTERS, FINISHED OR SEMIFIN PROD	120	0.0	130	0.0	10	8.33
61020405	CASTERS, INGOTS & PIGS	40	0.0	40	0.0	0	0.00
61020406	CENTRIFUGAL-CASTING MACH OPS	*	*,**	*	*,**	*	*,**
61020430	STEEL POURER HELPERS	20	0.0	20	0.0	0	0.00
61020435	POURERS, METAL	820	0.0	900	0.0	80	9.76
61020436	FURNACE OPERATORS, CUPOLA TENDERS	360	0.0	400	0.0	40	11.11
61020438	FURNACE CHARGERS	100	0.0	110	0.0	10	10.00
61020439	HEATING PIT CHARGERS	*	*,**	*	*,**	*	*,**
61020600	GRINDING/ABRADING MACH. OPS., ME	3520	0.1	3950	0.1	430	12.22
61020601	GRINDING/ABRADING MACH. OPS., ME	3520	0.1	3950	0.1	430	12.22
61020800	HEATERS, METAL	190	0.0	220	0.0	30	15.79
61021000	LATHE, MILLING MACH OPERATIVES	9020	0.4	9480	0.4	460	5.10
61021001	VENEER LATHE OPERATORS	30	0.0	30	0.0	0	0.00
61021002	GLASS-BLOWING LATHE OPERATORS	*	*,**	*	*,**	*	*,**
61021004	LATHE OPERATORS, GRINDING WHEELS	20	0.0	20	0.0	0	0.00
61021005	LATHE OPERATORS, WOOD	80	0.0	80	0.0	0	0.00
61021006	LATHE MACH OPERATORS, METAL	5850	0.3	6050	0.2	200	3.42
61021007	MILLING/PLANING MACHINE OPERATRS	2260	0.1	2450	0.1	190	8.41
61021009	SHAPER &/OR ROUTER OPERATORS	210	0.0	220	0.0	10	4.76
61021011	GEAR CUT, GRIND, SHAPE MACH OPS	570	0.0	630	0.0	60	10.53
61021200	METAL PLATERS	880	0.0	990	0.0	110	12.50
61021201	ELECTROPLATERS	740	0.0	830	0.0	90	12.16
61021202	DIP PLATERS, NONELECTROLYTIC	140	0.0	160	0.0	20	14.29
61021400	OTHER PRECISION MACH OPS	9250	0.4	10660	0.4	1410	15.24
61021401	BORING MACHINE OPERATORS, WOOD	90	0.0	100	0.0	10	11.11
61021402	MACHINE TOOL OPERATORS, COMBO	5180	0.2	5800	0.2	620	11.97
61021403	MACHINE TOOL OPERATORS, NUM CONT	2460	0.1	3080	0.1	620	25.20
61021404	WOOD MACHINISTS	290	0.0	310	0.0	20	6.90
61021405	MACHINE TOOL OPERATORS, TOOL ROOM	1230	0.0	1370	0.0	140	11.38
61021600	POWER PRESS OPERATIVES	7770	0.4	8210	0.3	440	5.66
61021604	POWER PRESS TENDERS	100	0.0	120	0.0	20	20.00
61021609	PUNCH PRESS OPERATORS, METAL	6300	0.3	6580	0.2	280	4.44

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61021610	PUNCH PRESS OPERATORS, PLASTICS	20	0.0	30	0.0	10	50.00
61021611	POWER BRAKE, BENDING MACH OPS, MET	1350	0.0	1480	0.0	130	9.63
61022000	WELDERS & FLAME CUTTERS	11680	0.6	12260	0.5	580	4.97
61022002	WELDERS & FLAME CUTTERS	11680	0.6	12260	0.5	580	4.97
61040000	SEMISKILLED TEXTILE OPERATIVES	900	0.0	810	0.0	90	-10.00
61040200	CARDING, LAPPING, COMRING OPS	90	0.0	70	0.0	20	-22.22
61040201	CARD GRINDERS	*	***	*	***	*	***
61040202	CARD TENDRS, COMBER TENDRS, ETC	70	0.0	60	0.0	10	-14.29
61040203	DRAWING FRAME & GILL BOX TENDERS	*	***	*	***	*	***
61040206	PICKER TENDERS	*	***	*	***	*	***
61040208	DRAWERS-IN, HAND	*	***	*	***	*	***
61040400	KNITTERS, LOOPERS, & TOPPERS	400	0.0	370	0.0	-30	-7.50
61040403	KNITTING MACHINE OPERATORS	230	0.0	170	0.0	-60	-26.09
61040407	SEAMLESS HOSIERY KNITTERS	160	0.0	200	0.0	40	25.00
61040600	SPINNERS, TWISTERS, & WINDERS	110	0.0	80	0.0	-30	-27.27
61040604	BOBBIN WINDERS, MACH/SEWING MACH	*	***	*	***	*	***
61040608	DRESSER TENDERS	*	***	*	***	*	***
61040611	SPEEDER TENDERS	*	***	*	***	*	***
61040612	SPINNERS, FRAME	20	0.0	10	0.0	-10	-50.00
61040615	TWISTER TENDERS	20	0.0	10	0.0	-10	-50.00
61040617	WINDER OPERATORS, AUTOMATIC	30	0.0	20	0.0	-10	-33.33
61040618	YARN WINDERS	10	0.0	10	0.0	0	0.00
61040621	ROPE LAYING MACHINE OPERATORS	*	***	*	***	*	***
61040622	BEAMERS, HAND OR MACHINE	20	0.0	20	0.0	0	0.00
61040800	WEAVING OCCUPATIONS	40	0.0	40	0.0	0	0.00
61040801	NEEDLE-FELT-MAKING MACH OPS, ETC	30	0.0	30	0.0	0	0.00
61040804	WEAVERS	10	0.0	10	0.0	0	0.00
61041000	OTHER TEXTILE OCCUPATIONS	270	0.0	250	0.0	-20	-7.41
61041004	BOARDING MACH OPERATORS, HOSIERY	40	0.0	40	0.0	0	0.00
61041006	BURLERS	20	0.0	20	0.0	0	0.00
61041007	CALENDERING MACH OPS, KNIT GDS	30	0.0	20	0.0	-10	-33.33
61041011	CLOTH PRINTERS	*	***	*	***	*	***
61041015	HARNES BUILDERS, LOOM CHNGRS, ETC	10	0.0	10	0.0	0	0.00
61041020	PATTERNMAKERS	40	0.0	30	0.0	-10	-25.00
61041025	TENTER FRAME OPERATORS	10	0.0	10	0.0	0	0.00
61041027	TURNERS	30	0.0	30	0.0	0	0.00
61041028	FOLDERS, HAND	60	0.0	60	0.0	0	0.00
61041030	DRIER OPERATORS, TEXTILES & RUGS	20	0.0	20	0.0	0	0.00
61060000	SEMISKLD PACKNG, INSPECTNG OPS	18720	0.9	19420	0.8	700	3.74
61060200	CHECKERS, EXAMINERS, ETC, MFG	150	0.0	180	0.0	30	20.00
61060209	SELECTORS, GLASSWARE	150	0.0	180	0.0	30	20.00
61060400	GRADERS & SORTERS, MFG	300	0.0	270	0.0	-30	-10.00

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61060401	GRADERS, FOOD &/OR SKINS	160	0.0	150	0.0	-10	-6.25
61060402	BOBBIN SORTERS	*	*,**	*	*,**	*	*,**
61060404	SORTERS, BURNED PRODUCTS	*	*,**	*	*,**	*	*,**
61060405	SORTERS, LEATHER	100	0.0	80	0.0	-20	-20.00
61060406	SORTERS, UPHOLSTERY PARTS	30	0.0	30	0.0	0	0.00
61060800	PACKERS, WRAPPERS, EX MEAT & PROD	18270	0.9	18980	0.8	710	3.89
61060802	PRODUCTION PACKAGERS	15480	0.8	16190	0.7	710	4.59
61060803	BUNDLERS	70	0.0	80	0.0	10	14.29
61060804	BAGGERS	2260	0.1	2240	0.1	-20	-0.88
61060807	WRAPPING MACHINE OPERATORS	250	0.0	260	0.0	10	4.00
61060809	BALING MACHINE OPERATORS	200	0.0	210	0.0	10	5.00
61080000	OTHER OPERATIVES, EX TRANSPORT	134490	6.9	142400	6.3	7910	5.88
61080200	ASBESTOS & INSULATION WORKERS	530	0.0	620	0.0	90	16.98
61080400	ASSEMBLERS	43800	2.2	46390	2.0	2590	5.91
61080401	MOBILE HOME SET-UP OPERATORS	80	0.0	100	0.0	20	25.00
61080406	CASE MAKERS	20	0.0	10	0.0	-10	-50.00
61080409	PLASTIC TOP INSTALLERS	30	0.0	30	0.0	0	0.00
61080410	POWER SCREWDRIVER OPERATORS	480	0.0	530	0.0	50	10.42
61080413	SPRING MACHINE OPERATORS	80	0.0	80	0.0	0	0.00
61080415	WIRERS, ELECTRONIC	530	0.0	580	0.0	50	9.43
61080416	COIL FINISHERS	660	0.0	700	0.0	40	6.06
61080418	CORE LAYERS/SHEET TURNERS	40	0.0	50	0.0	10	25.00
61080419	ASSEMBLERS	12000	0.6	12970	0.5	970	8.08
61080433	CLOCK, WATCH ASSEMBLERS--B	330	0.0	440	0.0	110	33.33
61080436	MACHINE ASSEMBLERS	10040	0.5	11180	0.5	1140	11.35
61080437	INSTRUMENT MAKERS/ASSEMBLERS	200	0.0	250	0.0	50	25.00
61080438	ELEC MECH EQUIPMT ASSEMBLERS	2470	0.1	2560	0.1	90	3.64
61080439	ELEC & ELECT ASSEMBLERS	5830	0.3	6180	0.2	350	6.00
61080440	ALL OTHER ASSEMBLERS	10990	0.5	10720	0.4	-270	-2.46
61080600	BLASTERS	40	0.0	40	0.0	0	0.00
61080601	BLASTERS, MINING & QUARRYING	10	0.0	10	0.0	0	0.00
61080602	BLASTERS, CONSTRUCTION	30	0.0	30	0.0	0	0.00
61081000	SURVEYOR HELPERS	390	0.0	470	0.0	80	20.51
61081200	CLOTHING IRONERS & PRESSERS	1940	0.1	2390	0.1	450	23.20
61081201	PRESSERS, HAND	130	0.0	140	0.0	10	7.69
61081202	PRESSERS, MACHINE	670	0.0	840	0.0	170	25.37
61081203	PRESSERS, MACHINE, LAUNDRY	1110	0.0	1380	0.0	270	24.32
61081208	SHAPERS & PRESSERS	30	0.0	30	0.0	0	0.00
61081300	CUTTING OPERATIVES, NEC	4160	0.2	4310	0.1	150	3.61
61081401	BIAS MACHINE OPERATORS	30	0.0	40	0.0	10	33.33
61081403	CUTTERS, MACHINE	620	0.0	650	0.0	30	4.84
61081404	WOOD CARVING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61081407	AUTOMATIC CLIPPERS, VENEER	160	0.0	170	0.0	10	6.25
61081409	CORNER CUTTERS	20	0.0	20	0.0	0	0.00
61081410	CORRUGATOR-KNIFE OPERATORS	40	0.0	40	0.0	0	0.00
61081412	CUT-OFF MACHINE OPERATORS, TUBING	40	0.0	40	0.0	0	0.00
61081417	CUTTERS, PORTABLE MACHINE	140	0.0	130	0.0	-10	-7.14
61081424	DIE CUTTERS, CLICKING MACH OPS	660	0.0	600	0.0	-60	-9.09
61081425	GLASS CUT-OFF MACHINE OPERATORS	40	0.0	50	0.0	10	25.00
61081426	GLASS CUTTERS, MACHINE	10	0.0	20	0.0	10	100.00
61081430	MORTISING MACHINE OPERATORS	30	0.0	30	0.0	0	0.00
61081431	PATTERN CUTTERS	10	0.0	10	0.0	0	0.00
61081434	RIP & GROOVE MACHINE OPERATORS	*	*,**	*	*,**	*	*,**
61081435	RUBBER GDS CUTTER-FINISHER OPS	100	0.0	120	0.0	20	20.00
61081437	SECOND CUTTERS, HAND	20	0.0	30	0.0	10	50.00
61081442	SLITTER-CREASER-SLOTTER OPERATRS	50	0.0	60	0.0	10	20.00
61081443	SLITTER-SCORER-CUT-OFF OPERATORS	50	0.0	50	0.0	0	0.00
61081445	SLITTING MACHINE OPERATORS	360	0.0	390	0.0	30	8.33
61081446	SPLITTERS	*	*,**	*	*,**	*	*,**
61081452	TENONER OPERATORS	120	0.0	120	0.0	0	0.00
61081458	TRIMMERS, PLASTICS	100	0.0	130	0.0	30	30.00
61081459	SHEAR &/OR SLITTER OPERATORS, MET	980	0.0	1080	0.0	100	10.20
61081461	VENEER JOINTER OPERATORS	80	0.0	80	0.0	0	0.00
61081462	CUTTING MACHINE OPERATORS, FOOD	300	0.0	290	0.0	-10	-3.33
61081463	CUTTERS, HAND	110	0.0	90	0.0	-20	-18.18
61081464	PLANER OPERATORS	60	0.0	70	0.0	10	16.67
61081600	SEWERS, CUSTOM	250	0.0	300	0.0	50	20.00
61081602	CUSTOM SEWERS	250	0.0	300	0.0	50	20.00
61081800	DRILLERS, EARTH	90	0.0	100	0.0	10	11.11
61081803	DRILLERS, HAND	30	0.0	30	0.0	0	0.00
61081804	DRILLERS, MACHINE	60	0.0	70	0.0	10	16.67
61082000	DRY WALL INSTALLERS, LATHERS	1150	0.0	1280	0.0	130	11.30
61082001	DRY WALL APPLICATORS	670	0.0	780	0.0	110	16.42
61082002	LATHERS	170	0.0	130	0.0	-40	-23.53
61082003	TAPERS	310	0.0	360	0.0	50	16.13
61082200	DYERS	30	0.0	20	0.0	-10	-33.33
61082205	DYE REEL OPS, JIGGRS, PAD MACH OPS	*	*,**	*	*,**	*	*,**
61082207	DYE TUB OPS, RANDOM DYERS, ETC	30	0.0	20	0.0	-10	-33.33
61082400	FILERS, POLISHRS, SANDRS, BUFFRS	6040	0.3	6510	0.2	470	7.78
61082401	FILERS, GRINDERS, BUFFERS, CHIPPERS	4410	0.2	4750	0.2	340	7.71
61082402	SANDBLASTERS/SHOTBLASTERS	850	0.0	960	0.0	110	12.94
61082403	DIE POLISHERS, WIRE &/OR TUBES	20	0.0	20	0.0	0	0.00
61082405	GL GRINDERS/WATCH CRYSTAL EDGE GRNR	*	*,**	*	*,**	*	*,**
61082406	HAND EDGERS/BELT SEAMERS	*	*,**	*	*,**	*	*,**

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61082408	POLISHERS, GLASS &/OR BLOCKERS	10	0.0	20	0.0	10	100.00
61082410	SANDERS, WOOD	550	0.0	550	0.0	10	1.82
61082411	SAW FILERS	100	0.0	110	0.0	10	10.00
61082413	STONE POLISHERS	60	0.0	70	0.0	10	16.67
61082415	VENEER SANDERS	30	0.0	30	0.0	0	0.00
61082600	GARAGE WORKERS, GAS STAT ATTNS	6000	0.3	6090	0.2	90	1.50
61082603	MARINE SERVICE STAT ATTENDANTS	20	0.0	20	0.0	0	0.00
61082604	TRAILER RENTAL ATTENDANTS	70	0.0	90	0.0	20	28.57
61082605	FUEL PUMP ATTENDANTS, LUBRICATORS	5050	0.2	4990	0.2	-60	-1.19
61082606	TIRE CHANGERS	840	0.0	980	0.0	140	16.67
61082607	TIRE REPAIRERS	10	0.0	20	0.0	10	100.00
61082800	LAUNDRY, DRYCLEANING OPS, NEC	3340	0.1	4080	0.1	740	22.16
61082801	MARKERS, CLASSIFIERS, ASSEMBLERS	360	0.0	410	0.0	50	13.89
61082802	SPOTTERS, DRYCLEANING	100	0.0	120	0.0	20	20.00
61082803	SPOTTERS, WASHABLE MATERIALS	60	0.0	100	0.0	40	66.67
61082804	WASHERS, MACH &/OR STARCHERS	1650	0.0	1970	0.0	320	19.39
61082805	TUMBLER OPERATORS	70	0.0	80	0.0	10	14.29
61082806	DRYCLEANING MACHINE OPERATORS	280	0.0	410	0.0	130	46.43
61082807	DRYCLEANERS, HAND	60	0.0	70	0.0	10	16.67
61082809	LAUNDRY OPERATORS, SM ESTABLHMT	330	0.0	380	0.0	50	15.15
61082811	FUR GLAZING & POLISHING MACH OPS	*	*,**	*	*,**	*	*,**
61082812	RUG CLEANERS, HAND	10	0.0	20	0.0	10	100.00
61082813	RUG CLEANERS, MACHINE	170	0.0	210	0.0	40	23.53
61082818	FOLDERS, LAUNDRY	250	0.0	310	0.0	60	24.00
61082820	WASHERS, SYNTHETIC FIBERS	*	*,**	*	*,**	*	*,**
61083200	MEAT CUTTERS, BUTCHERS	1160	0.0	1120	0.0	-40	-3.45
61083201	BONERS, MEAT	370	0.0	360	0.0	-10	-2.70
61083202	BONERS, POULTRY	190	0.0	190	0.0	0	0.00
61083204	BUTCHERS, ALL AROUND	500	0.0	490	0.0	10	-2.00
61083205	CARCASS SPLITTERS	90	0.0	90	0.0	0	0.00
61083600	MINE OPERATIVES, NEC	280	0.0	320	0.0	40	14.29
61083610	COAL WASHERS	10	0.0	20	0.0	10	100.00
61083618	DRIER OPERATORS, COAL OR ORE	20	0.0	20	0.0	0	0.00
61083620	GAGERS	10	0.0	10	0.0	0	0.00
61083622	LOADING MACHINE OPERATORS	50	0.0	60	0.0	10	20.00
61083627	ROCK SPLITTERS, QUARRY	60	0.0	60	0.0	0	0.00
61083643	PANELBD OPERATORS, GRIND MILL OPS	30	0.0	40	0.0	10	33.33
61083646	MILL &/OR GRINDER OPS, MINERALS	100	0.0	110	0.0	10	10.00
61083800	MIXING OPERATIVES	2900	0.1	2940	0.1	40	1.38
61083802	REAGENT OPERATORS	10	0.0	10	0.0	0	0.00
61083805	ASPHALT MIXERING MACH TENDERS	20	0.0	20	0.0	0	0.00
61083806	ASPHALT-PLANT OPERATORS	70	0.0	70	0.0	0	0.00

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61083817	COATING MIXER TENDERS	230	0.0	240	0.0	10	4.35
61083818	COMPOUNDERS	10	0.0	10	0.0	0	0.00
61083831	MIXER OPERATORS, HOT METAL	*	*. **	*	*. **	*	*. **
61083840	SEASONING MIXERS	10	0.0	10	0.0	0	0.00
61083852	TINTERS	60	0.0	60	0.0	0	0.00
61083854	MIXERS, STONE, CLAY, GLASS, ETC	120	0.0	130	0.0	10	8.33
61083855	MIXERS/BLENDERS, CHEMICALS	740	0.0	780	0.0	40	5.41
61083856	MIXERS, FOOD & TOBACCO	1640	0.0	1600	0.0	-40	-2.44
61083857	MIXERS, ORE & METALS	*	*. **	*	*. **	*	*. **
61084000	OILERS	810	0.0	860	0.0	50	6.17
61084200	PAINTERS, MFG ARTICLES	4280	0.2	4400	0.2	120	2.80
61084201	PAINTERS, AUTOMOTIVE	560	0.0	690	0.0	130	23.21
61084202	DECORATORS, HAND	30	0.0	30	0.0	0	0.00
61084208	RUBBERS	60	0.0	60	0.0	0	0.00
61084210	PAINTERS, PRODUCTION	3630	0.1	3610	0.1	-20	-0.55
61084211	PAINTERS, AIRCRAFT	10	0.0	10	0.0	0	0.00
61084400	OTHER PHOTO PROCESS WORKERS	1770	0.0	2260	0.1	490	27.68
61084600	RIVETERS & FASTENERS	880	0.0	930	0.0	50	5.68
61084602	NAILING MACHINE OPERATORS	460	0.0	490	0.0	30	6.52
61084603	STAPLERS, MATTRESS & BEDSPRING	*	*. **	*	*. **	*	*. **
61084604	STAPLING MACHINE OPERATORS	50	0.0	50	0.0	0	0.00
61084605	RIVETERS, HEAVY	10	0.0	10	0.0	0	0.00
61084606	RIVETERS, LIGHT	350	0.0	360	0.0	10	2.86
61084800	SAILORS & DECKHANDS	380	0.0	410	0.0	30	7.89
61084801	BOATSWAINS	50	0.0	50	0.0	0	0.00
61084802	ABLE SEAMEN	180	0.0	200	0.0	20	11.11
61084803	ORDINARY SEAMEN	150	0.0	160	0.0	10	6.67
61085000	SAWYERS	2670	0.1	2870	0.1	200	7.49
61085001	BAND SCROLL SAW OPERATORS	90	0.0	90	0.0	0	0.00
61085003	CUT-OFF SAW OPERATORS, LUMBER	620	0.0	660	0.0	40	6.45
61085004	CUT-OFF SAWYERS, LOG	*	*. **	*	*. **	*	*. **
61085005	EDGERS, AUTOMATIC &/OR PONY	160	0.0	170	0.0	10	6.25
61085006	GANG SAWYERS	10	0.0	10	0.0	0	0.00
61085007	SAWYERS, TAIL	*	*. **	*	*. **	*	*. **
61085008	HEAD SAWYERS	200	0.0	220	0.0	20	10.00
61085011	RESAWYERS	110	0.0	120	0.0	10	9.09
61085012	RIPSAW OPERATORS	370	0.0	390	0.0	20	5.41
61085013	SAWYERS, METAL	700	0.0	780	0.0	80	11.43
61085014	SAWYERS, STONE	60	0.0	70	0.0	10	16.67
61085015	SAWYERS, PLASTICS	20	0.0	20	0.0	0	0.00
61085017	TRIM SAW OPERATORS	190	0.0	200	0.0	10	5.26
61085018	VARIETY SAW OPERATORS	140	0.0	150	0.0	10	7.14

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61085200	SEWERS & STITCHERS	5590	0.2	5080	0.2	-510	-9.12
61085204	MENDERS	150	0.0	210	0.0	60	40.00
61085205	SEWING MACH OPS, REG EQMT, NONGAR	1610	0.0	1480	0.0	-130	-8.07
• 61085206	BAG SEWERS	*	*,**	*	*,**	*	*,**
• 61085208	CAP MAKERS	*	*,**	*	*,**	*	*,**
61085212	GARMENT REPAIRERS	20	0.0	20	0.0	0	0.00
61085213	HAND SEWERS	250	0.0	230	0.0	-20	-8.00
61085214	MENDERS, CLOTH	70	0.0	60	0.0	-10	-14.29
61085215	SEWING MACH OPS, SPEC EQMT, NONGAR	590	0.0	550	0.0	-40	-6.78
61085217	SHOE PARTS SEWERS, HAND	50	0.0	40	0.0	-10	-20.00
61085219	SEWING MACH OPS, SPEC EQMT, GAR	610	0.0	550	0.0	-60	-9.84
61085220	SEWING MACH OPS, REG EQMT, GARMENT	2220	0.1	1920	0.0	-300	-13.51
61085400	SHOEMAKING MACHINE OPS	1410	0.0	1120	0.0	-290	-20.57
61085401	ASSEMBLERS FOR PULLER-OVER	30	0.0	30	0.0	0	0.00
61085402	BED LASTERS	20	0.0	10	0.0	-10	-50.00
61085403	BOTTOM FILLERS	20	0.0	20	0.0	0	0.00
61085404	BUFFERS, SHOE PARTS	50	0.0	40	0.0	-10	-20.00
61085405	CEMENTERS, MACHINE JOINER	50	0.0	40	0.0	-10	-20.00
61085407	PERFORATOR OPERATORS	20	0.0	20	0.0	0	0.00
61085409	FOLDERS, MACHINE	20	0.0	10	0.0	-10	-50.00
61085410	HEEL ATTACHERS	30	0.0	20	0.0	-10	-33.33
• 61085412	HEEL BUILDERS, HAND OR MACHINE	*	*,**	*	*,**	*	*,**
61085413	HEEL-SEAT LASTERS, MACHINE	20	0.0	20	0.0	0	0.00
61085415	HEEL-SEAT FITTERS, MACHINE	10	0.0	10	0.0	0	0.00
61085416	INKERS, HAND OR MACHINE	40	0.0	30	0.0	-10	-25.00
61085419	LASTING MACHINE OPERATORS	10	0.0	10	0.0	0	0.00
61085421	PULLERS-OVER	30	0.0	20	0.0	-10	-33.33
61085422	REPAIRERS, SHOE FINISH	70	0.0	60	0.0	-10	-14.29
61085423	ROUGH ROUNDERS, MACHINE	30	0.0	20	0.0	-10	-33.33
61085424	SEAM RUBBING MACHINE OPERATORS	20	0.0	10	0.0	-10	-50.00
61085428	SOLE LEVELERS, MACHINE	10	0.0	10	0.0	0	0.00
61085430	STITCHERS, SPECIAL MACHINE	60	0.0	50	0.0	-10	-16.67
61085431	STITCHERS, STANDARD MACHINE	380	0.0	300	0.0	-80	-21.05
61085432	STITCHERS, UTILITY	100	0.0	80	0.0	-20	-20.00
61085433	THERMALASTING MACHINE OPERATORS	20	0.0	10	0.0	-10	-50.00
61085439	TRIMMERS, MACHINE	150	0.0	140	0.0	-10	-6.67
61085440	VAMP CREASERS	20	0.0	20	0.0	0	0.00
61085441	SPLITTERS, MACHINE	30	0.0	20	0.0	-10	-33.33
61085442	FASTENERS, MACHINE	40	0.0	30	0.0	-10	-25.00
61085443	CEMENTERS, PASTERS, BACKERS, ETC	110	0.0	90	0.0	-20	-18.18
• 61085444	MOLDERS, SHOE PARTS	*	*,**	*	*,**	*	*,**
61085445	PULLING & LASTING MACH OPERATORS	20	0.0	10	0.0	-10	-50.00

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61085600	FURNACE TNDRS,STOKRS,EX METAL	1520	0.0	1670	0.0	150	9.87
61085602	STATIONARY BOILER FIRERS	1370	0.0	1510	0.0	140	10.22
61085614	KILN OPERATORS,LUMBER	30	0.0	30	0.0	0	0.00
61085618	FIRERS,MARINE	50	0.0	50	0.0	0	0.00
61085619	FURNACE,KILN,DRIER OPS	70	0.0	80	0.0	10	14.29
61085800	WINDING OPERATIVES,NEC	3900	0.2	4060	0.1	160	4.10
61085801	CONVOLUTE OR SPIRAL TUBE WINDERS	150	0.0	160	0.0	10	6.67
61085804	PAPER REEL OPS,REWINDER OPS	1660	0.0	1740	0.0	80	4.82
61085808	WINDERS,PAPER MACHINE	540	0.0	560	0.0	20	3.70
61085810	COIL WINDERS	1530	0.0	1580	0.0	50	3.27
61085811	AUTOMAT SPRING COILING MACH OPS	20	0.0	20	0.0	0	0.00
61086000	MISC MACH OPS,MEAT & DAIRY	3850	0.2	3730	0.1	-120	-3.12
61086001	PICKLERS,FOOD	70	0.0	70	0.0	0	0.00
61086003	PRESS OPERATORS,MEAT	10	0.0	10	0.0	0	0.00
61086004	PUMPERS,MEAT	30	0.0	20	0.0	-10	-33.33
61086007	SKIN PEELING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086011	DRY CURERS	*	*,**	*	*,**	*	*,**
61086012	CASING FINISHERS A/OR STUFFERS	1100	0.0	1070	0.0	-30	-2.73
61086019	NOVELTY WORKERS	30	0.0	30	0.0	0	0.00
61086021	FLAVOR ROOM WORKERS,FREEZER OPS	60	0.0	50	0.0	-10	-16.67
61086024	BUTTERMAKERS	20	0.0	20	0.0	0	0.00
61086026	DAIRY PROCESSING EQMT OPERATORS	1100	0.0	1070	0.0	-30	-2.73
61086029	CHEESEMAKERS	780	0.0	750	0.0	-30	-3.85
61086033	MEAT GRINDERS	220	0.0	210	0.0	-10	-4.55
61086035	COOKS &/OR COOKERS	390	0.0	380	0.0	-10	-2.56
61086200	MISC MACH OPS,ALL OTH FOOD	2540	0.1	2670	0.1	130	5.12
61086201	DEPOSITORS,FOOD	140	0.0	140	0.0	0	0.00
61086204	RETORT OPERATORS	140	0.0	140	0.0	0	0.00
61086207	WASHERS &/OR SEPARATORS,FOOD	220	0.0	220	0.0	0	0.00
61086213	BLANCHING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086218	FARM EQUIPMENT OPERATORS	430	0.0	410	0.0	-20	-4.65
61086221	PASTEURIZERS,MARGARINE	10	0.0	10	0.0	0	0.00
61086223	PRESSERS,EXPELLER OPERATORS	30	0.0	30	0.0	0	0.00
61086224	REFINERY OPERATORS	40	0.0	40	0.0	0	0.00
61086227	ROLLING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086230	SUGAR BOILERS	*	*,**	*	*,**	*	*,**
61086236	FEED PELLET MILL OPERATORS	40	0.0	40	0.0	0	0.00
61086241	GRAIN RECEIVERS	10	0.0	10	0.0	0	0.00
61086245	CANDY MAKERS	70	0.0	60	0.0	-10	-14.29
61086258	DOUGHNUT MAKRS/DOUGHNUT MACH OPS	720	0.0	900	0.0	180	25.00
61086259	DIVIDING MACH OPERATORS,ETC	120	0.0	110	0.0	-10	-8.33
61086264	LOADERS,MALT HOUSE	80	0.0	70	0.0	-10	-12.50

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61086277	BARLEY STEEPERS, MALT HOUSE OPS	80	0.0	70	0.0	-10	-12.50
61086283	COOLING MACHINE OPERATORS	*	*,**	*	*,**	*	*,**
61086292	OVEN OPERATORS	130	0.0	130	0.0	0	0.00
61086295	DRIER OPERATORS	260	0.0	250	0.0	-10	-3.85
61086600	MISC MACH OPS, TEXTILE MILL	400	0.0	360	0.0	-40	-10.00
61086607	BLENDING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086608	COATING MACHINE OPERATORS	110	0.0	90	0.0	-20	-18.18
61086609	CLOTH TRIMMERS, MACHINE, ETC	30	0.0	20	0.0	-10	-33.33
61086612	SPREADERS	80	0.0	80	0.0	0	0.00
61086613	ENDING MACHINE OPERATORS	80	0.0	90	0.0	10	12.50
61086614	FUSING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086617	EYELET MACHINE OPERATORS	40	0.0	30	0.0	-10	-25.00
61086618	FOLDING MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086800	MISC MACH OPS, LUMBER PROD	1450	0.0	1540	0.0	90	6.21
61086803	TREATING ENGINEERS	*	*,**	*	*,**	*	*,**
61086804	VENEER DRIERS	100	0.0	110	0.0	10	10.00
61086805	VENEER REPAIRERS, MACHINE	20	0.0	20	0.0	0	0.00
61086806	HOT PLATE PLYWOOD PRESS OPS	50	0.0	50	0.0	0	0.00
61086807	EDGE GLUERS	160	0.0	170	0.0	10	6.25
61086808	POWER BARKER OPERATORS	210	0.0	220	0.0	10	4.76
61086809	DOWEL MACHINE OPERATORS	20	0.0	20	0.0	0	0.00
61086812	DADO OPERATORS	20	0.0	20	0.0	0	0.00
61086814	HYDRAULIC PRESS OPERATORS, VENEER	30	0.0	30	0.0	0	0.00
61086815	GLUING MACHINE OPERATORS	100	0.0	110	0.0	10	10.00
61086817	CORE FEEDERS	50	0.0	50	0.0	0	0.00
61086818	WOODWORKING MACHINE OPERATORS	650	0.0	690	0.0	40	6.15
61086819	LAMINATING MACH OPERATORS, FURN	50	0.0	50	0.0	0	0.00
61087000	MISC MACH OPS, PAPER, ALLIED	7870	0.4	8250	0.3	380	4.83
61087005	PULP REFINER OPERATORS	90	0.0	90	0.0	0	0.00
61087006	PULPERS	290	0.0	300	0.0	10	3.45
61087007	RECOVERY OPERATORS, PAPERMAKING	60	0.0	60	0.0	0	0.00
61087008	SUPERCALENDER OPERATORS	350	0.0	360	0.0	10	2.86
61087009	WET MACHINE TENDERS	200	0.0	200	0.0	0	0.00
61087011	EVAPORATOR OPERATORS, PAPERMAKING	70	0.0	80	0.0	10	14.29
61087012	WOOD GRINDER OPERATORS	100	0.0	110	0.0	10	10.00
61087014	FOURDRINIER MACHINE TENDERS	690	0.0	720	0.0	30	4.35
61087015	BACK TENDERS	700	0.0	730	0.0	30	4.29
61087018	BEATERS	470	0.0	490	0.0	20	4.26
61087019	BEATER ENGINEERS	320	0.0	330	0.0	10	3.13
61087020	BLEACHER OPERATORS, PULP	90	0.0	90	0.0	0	0.00
61087021	DIGESTER OPERATORS	90	0.0	90	0.0	0	0.00
61087022	CYLINDER MACHINE TENDERS	20	0.0	20	0.0	0	0.00

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN STATEWIDE
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CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61087023	COATER OPERATORS, OFF-MACHINE	350	0.0	360	0.0	10	2.85
61087027	LAYBOY TENDERS	230	0.0	250	0.0	20	8.70
61087028	ENVELOPE FINISHING MACHINE OPS	60	0.0	60	0.0	0	0.00
61087030	PANEL/PATCH/SEALING MACHINE OPS	*	*,**	*	*,**	*	*,**
61087032	PRINTER-SLOTTER OPERATORS	190	0.0	200	0.0	10	5.26
61087035	SCORERS	*	*,**	*	*,**	*	*,**
61087038	TAPING MACHINE OPERATORS	150	0.0	160	0.0	10	6.67
61087041	WAXING MACHINE OPERATORS	70	0.0	70	0.0	0	0.00
61087043	FLEXO-FOLDER-GLUER OPERATORS	140	0.0	150	0.0	10	7.14
61087045	ENVELOPE MACHINE OPERATORS	170	0.0	180	0.0	10	5.88
61087047	FOUR-CORNERS-STAYER MACH OPS	20	0.0	20	0.0	0	0.00
61087048	FOLDING MACHINE OPERATORS, PAPER	520	0.0	540	0.0	20	3.85
61087050	FOLDING MACHINE FEEDERS	*	*,**	*	*,**	*	*,**
61087051	BAG MACHINE OPERATORS	630	0.0	660	0.0	30	4.76
61087054	BOX MAKERS, PAPERBOARD	120	0.0	130	0.0	10	8.33
61087056	CUTTING & CREASING PRESS OPS	170	0.0	180	0.0	10	5.88
61087059	CARTON-FORMING MACH OPERATORS	80	0.0	90	0.0	10	12.50
61087060	CORRUGATOR OPERATORS	80	0.0	90	0.0	10	12.50
61087061	COMBINER OPERATORS	180	0.0	190	0.0	10	5.56
61087063	SCRAPPERS/STRIPPERS	170	0.0	180	0.0	10	5.88
61087064	BROWN STOCK WASHERS, BLOW PIT OPS	90	0.0	90	0.0	0	0.00
61087065	FOURTH/FIFTH HANDS, PAPER MACHINE	880	0.0	920	0.0	40	4.55
61087070	SLOTTER OPERATORS	30	0.0	30	0.0	0	0.00
61087200	MISC MACH OPS, CHEM, ALLIED	850	0.0	890	0.0	40	4.71
61087213	CALCINER OPERATORS	10	0.0	10	0.0	0	0.00
61087254	EVAPORATOR OPERATORS, CHEMICAL	*	*,**	*	*,**	*	*,**
61087257	KETTLE OPERATORS, ADHESIVE	20	0.0	20	0.0	0	0.00
61087279	STERILIZERS	*	*,**	*	*,**	*	*,**
61087283	AMPULE FILL, SEAL, WASH OPERATORS	20	0.0	20	0.0	0	0.00
61087284	COMPRESSORS, TABLET	*	*,**	*	*,**	*	*,**
61087285	COATERS, PILL	*	*,**	*	*,**	*	*,**
61087287	STILL OPERATORS, BATCH OR CONTIN	10	0.0	10	0.0	0	0.00
61087288	CHEMICAL OPERATOR HELPERS	210	0.0	210	0.0	0	0.00
61087290	CHEMICAL OPERATORS A	280	0.0	310	0.0	30	10.71
61087291	CHEMICAL OPERATORS B	190	0.0	210	0.0	20	10.53
61087294	DRIER OPERATORS, CHEM, PLAST, RUBBER	30	0.0	30	0.0	0	0.00
61087295	CHIEF OPERATORS	60	0.0	60	0.0	0	0.00
61087400	MISC MACH OPS, PETROL, COAL	50	0.0	60	0.0	10	20.00
61087406	ASPHALT-PLANT DRIER OPERATORS	20	0.0	20	0.0	0	0.00
61087409	CONTROL PANEL OPERATORS, PETROL	40	0.0	40	0.0	0	0.00
61087600	MISC MACH OPS, RUBBER, PLAST	6400	0.3	7610	0.3	1210	18.91
61087603	RUBBER MILL OPERATORS	130	0.0	160	0.0	30	23.08

Table 8

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AREA 0 - WISCONSIN: STATEWIDE
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		BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
CODE	OCCUPATION TITLE	EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61087606	REFINER OPERATORS, RUBBER	*	*,**	*	*,**	*	*,**
61087607	ROLLER BUILDERS, RUBBER	30	0.0	30	0.0	0	0.00
61087608	HEAT SEALERS	190	0.0	240	0.0	50	26.32
61087609	RUBBER GRINDER-FINISHER OPERATORS	20	0.0	20	0.0	0	0.00
61087611	SPLICERS	20	0.0	20	0.0	0	0.00
61087613	TIRE BAGGING MACHINE TENDERS	*	*,**	*	*,**	*	*,**
61087614	TIRE BUILDERS	230	0.0	290	0.0	60	26.09
61087615	SPLICERS, RUBBER PRODUCTS	10	0.0	20	0.0	10	100.00
61087617	WATCHCASE VULCANIZER TENDERS	10	0.0	10	0.0	0	0.00
61087618	PRESS TENDERS, RUBBER GOODS	270	0.0	330	0.0	60	22.22
61087621	BRAIDING MACH TENDERS	30	0.0	30	0.0	0	0.00
61087623	EXTRUDER OPS, RUBBER OR PLASTICS	800	0.0	910	0.0	110	13.75
61087624	EXTRUDER OP HELPERS, RUB OR PLAS	610	0.0	700	0.0	90	14.75
61087625	BAND BUILDERS	10	0.0	20	0.0	10	100.00
61087626	BEAD FORMING MACH OPERATORS	10	0.0	10	0.0	0	0.00
61087627	BEAD FLIPPERS	20	0.0	20	0.0	0	0.00
61087628	BELT BUILDERS	*	*,**	*	*,**	*	*,**
61087631	BLOW MOLDING MACHINE OPERATORS	290	0.0	350	0.0	70	24.14
61087633	CALENDER OPS, RUBBER OR PLASTICS	30	0.0	40	0.0	10	33.33
61087634	CALENDAR OPERATOR HELPERS	20	0.0	20	0.0	0	0.00
61087635	ROTATION MOLDING MACH OPERATORS	110	0.0	140	0.0	30	27.27
61087637	VACUUM PLASTIC FORMING MACH OPS	250	0.0	310	0.0	50	19.23
61087639	FINISHERS, MACHINE	100	0.0	130	0.0	30	30.00
61087640	PILLING MACHINE OPERATORS	*	*,**	*	*,**	*	*,**
61087645	COMPR &/OR INJECT MOLD MA OPS, PL	3180	0.1	3780	0.1	600	18.87
61087800	MISC MACH OPS, LEATHER, LEA GD	370	0.0	290	0.0	-80	-21.62
61087802	BELT MAKERS, APPAREL	*	*,**	*	*,**	*	*,**
61087803	LIMERS	*	*,**	*	*,**	*	*,**
61087804	TANNING-LIQUOR MAKERS	*	*,**	*	*,**	*	*,**
61087805	MEASURING MACHINE OPS, LEATHER	40	0.0	30	0.0	-10	-25.00
61087807	HANDBAG FRAMERS	10	0.0	10	0.0	0	0.00
61087809	STAKERS, MACHINE	40	0.0	30	0.0	-10	-25.00
61087810	TANNING DRUM OPS/COLORERS, HIDES	100	0.0	80	0.0	-20	-20.00
61087811	WRINGER MACHINE OPERATORS	60	0.0	50	0.0	-10	-16.67
61087813	GLUE SPREADING MACH OPS, LUGGAGE	20	0.0	10	0.0	-10	-50.00
61087814	GLOVE TURNERS & FORMERS	30	0.0	20	0.0	-10	-33.33
61087815	BUFFERS, HIDES OR SKINS	40	0.0	30	0.0	-10	-25.00
61087817	BURNISHERS	20	0.0	10	0.0	-10	-50.00
61088000	MISC MACH OPS, STONE, CLAY, GLA	340	0.0	380	0.0	40	11.76
61088011	GLAZIERS, STAINED GLASS/JOINERS	10	0.0	20	0.0	10	100.00
61088012	FORMING MACH OPERATORS, GL CONT	30	0.0	40	0.0	10	33.33
61088023	SPRAY MACHINE OPERATORS	40	0.0	40	0.0	0	0.00

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CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61088026	PRESS OPERATORS	*	* **	*	* **	*	* **
61088035	CAGE MAKERS,HAND OR MACHINE	30	0.0	30	0.0	0	0.00
61088038	BLOCKMAKING MACHINE OPERATORS	60	0.0	70	0.0	10	16.67
61088040	CONCRETE STONE FABRICATORS	70	0.0	80	0.0	10	14.29
61088048	SAND BLASTERS,STONE	*	* **	*	* **	*	* **
61088049	SCREENER OPERATORS	*	* **	*	* **	*	* **
61088058	BRICK & TILE MAKING MACH OPS	*	* **	*	* **	*	* **
61088062	CALENDER MACH OPERATORS	20	0.0	20	0.0	0	0.00
61088070	CONCRETE VAULT MAKERS	50	0.0	50	0.0	0	0.00
61088072	FLOOR WORKERS, GLASS	10	0.0	10	0.0	0	0.00
61088200	MISC MACH OPS, PRIMARY METALS	2040	0.1	2190	0.1	150	7.35
61088205	OPERATORS, DOOR MACHINE	*	* **	*	* **	*	* **
61088208	PUMP OPERATORS, BY-PRODUCTS	*	* **	*	* **	*	* **
61088218	HEATERS, COKE PRODUCTION	10	0.0	10	0.0	0	0.00
61088229	COILERS, WINDERS, &/OR SPOOLERS	20	0.0	30	0.0	10	50.00
61088236	POT TENDERS	*	* **	*	* **	*	* **
61088248	DUST OPS/ORE CRUSHING DUST COLLS	*	* **	*	* **	*	* **
61088260	STRANDING MACHINE OPERATORS	90	0.0	100	0.0	10	11.11
61088261	STRETCHER-LEVELER OPERATORS	*	* **	*	* **	*	* **
61088267	DRAW-BENCH OPERATORS, TUBE DRAWRS	30	0.0	40	0.0	10	33.33
61088274	COREMAKERS, MACHINE	300	0.0	340	0.0	40	13.33
61088276	EXTRUSION PRESS OPS, HOT BILLETS	10	0.0	10	0.0	0	0.00
61088282	PICKLERS, CONTINUOUS PICKLING LINE	10	0.0	10	0.0	0	0.00
61088286	ROLL FORMING MACH OPERATORS	120	0.0	140	0.0	20	16.67
61088287	DIE-CASTING MACH OPS, SETTERS	920	0.0	960	0.0	40	4.35
61088288	IMPREGNATORS, ELECTRONIC	60	0.0	70	0.0	10	16.67
61088289	COIL TAPERS, HAND OR MACHINE	130	0.0	140	0.0	10	7.69
61088291	MULTI-SLIDE MACHINE OPERATORS	160	0.0	180	0.0	20	12.50
61088292	BODYMAKER OPERATORS, TIN CAN	80	0.0	80	0.0	0	0.00
61088293	WIRE WEAVERS	70	0.0	80	0.0	10	14.29
61088400	MISC MACH OPS, MFG, NEC	2750	0.1	2970	0.1	220	8.00
61088401	SCREEN/STENCIL PRINTERS/SETTERS	480	0.0	510	0.0	30	6.25
61088402	SCREEN MAKERS, PHOTOGRAPHIC PROC	80	0.0	80	0.0	0	0.00
61088403	COREMAKERS, HAND, BENCH, FLOOR	270	0.0	240	0.0	-30	-11.11
61088404	EMBOSS, STAMP, MARK MACHINE OPS	160	0.0	160	0.0	0	0.00
61088405	FILTER/FILTER PRESS OPERATORS	50	0.0	50	0.0	0	0.00
61088407	GRINDER OPERATORS	220	0.0	250	0.0	30	13.64
61088408	CHIPPERS	140	0.0	150	0.0	10	7.14
61088410	SKIVERS	120	0.0	100	0.0	-20	-16.67
61088412	VULCANIZERS, FOOTWEAR	20	0.0	20	0.0	0	0.00
61088415	LAMINATORS, PREFORMS	280	0.0	330	0.0	50	17.86
61088416	PRESS OPERATORS, PLASTICS	460	0.0	570	0.0	110	23.91

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		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
* 61088417	TUBE MOULDERS, FIBERGLASS	*	* **	*	* **	*	* **
* 61088419	RUBBER MOLD MAKERS	*	* **	*	* **	*	* **
61088423	VULCANIZERS, RUBBER PLATE	40	0.0	50	0.0	10	25.00
61088424	BAGGERS, PLASTICS	30	0.0	40	0.0	10	33.33
* 61088427	HOSE MAKERS	*	* **	*	* **	*	* **
61088428	ENCAPSULATORS	70	0.0	80	0.0	10	14.29
61088429	BALANCING MACHINE OPERATORS	180	0.0	200	0.0	20	11.11
61088436	LOADING MACHINE OPERATORS	10	0.0	10	0.0	0	0.00
* 61088441	ULTRASONIC MACHINE OPERATORS	*	* **	*	* **	*	* **
* 61088443	SOABAR OPERATORS	*	* **	*	* **	*	* **
61088444	PUMP OPERATORS	120	0.0	120	0.0	0	0.00
* 61088445	PUMP OPERATOR HELPERS	*	* **	*	* **	*	* **
61088600	MISC MACH OPS, NONMFG	580	0.0	660	0.0	80	13.79
61088614	TIRE FABRICATORS, REPAIRERS	430	0.0	470	0.0	40	9.30
* 61088615	BOAT PATCHERS, PLASTIC	*	* **	*	* **	*	* **
61088616	INK WORKERS	90	0.0	100	0.0	10	11.11
61088621	PHOTO LETTERING MACHINE OPERATORS	60	0.0	70	0.0	10	16.67
* 61088625	REFINERY OPERATORS, PETROLEUM	*	* **	*	* **	*	* **
* 61088628	GRANULATOR MACHINE OPERATORS	*	* **	*	* **	*	* **
61088800	OPERATIVES, NEC, DURABLE GOODS	2430	0.1	2700	0.1	270	11.11
61088801	GLUERS &/OR CEMENTERS, HAND	140	0.0	120	0.0	-20	-14.29
* 61088803	BENCH HANDS, JEWELRY	*	* **	*	* **	*	* **
* 61088808	PIPE & TANK LINERS	*	* **	*	* **	*	* **
61088810	CASTERS, PATTERN & PORCELAIN	20	0.0	30	0.0	10	50.00
61088813	MOLD CLOSERS, CORE SET	180	0.0	190	0.0	10	5.56
61088814	CONCRETE PIPE MAKERS	120	0.0	140	0.0	20	16.67
* 61088815	DECAL APPLIERS	*	* **	*	* **	*	* **
61088817	FABRICATORS, PLASTICS	190	0.0	240	0.0	50	26.32
61088818	FINISHERS, HAND	350	0.0	420	0.0	70	20.00
61088834	PLATER HELPERS	570	0.0	640	0.0	70	12.28
* 61088835	POT LINERS	*	* **	*	* **	*	* **
61088841	SHAPERS, HAND	20	0.0	20	0.0	0	0.00
* 61088846	TRANSFER CONTROLLERS, SAW MILL	*	* **	*	* **	*	* **
61088849	WAX PATTERN WORKERS	310	0.0	320	0.0	10	3.23
61088850	WIRE DRAWERS	40	0.0	50	0.0	10	25.00
61088851	PIPE STRIPPERS	20	0.0	30	0.0	10	50.00
61088852	LAYOUT MARKERS, WOOD	40	0.0	40	0.0	0	0.00
61088853	VENEER REPAIRERS, HAND	160	0.0	170	0.0	10	6.25
61088854	CORE ASSEMBLERS, PASTERS, FINISHERS	250	0.0	280	0.0	30	12.00
61089000	OPERATIVES, NEC, NONDUR GOODS	7050	0.3	7190	0.3	140	1.99
61089002	CURERS, RUBBER GOODS	30	0.0	30	0.0	0	0.00
61089003	BAKER HELPERS	400	0.0	390	0.0	-10	-2.50

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61089007	CHEESEMAKER HELPERS	1870	0.1	1810	0.0	-60	-3.21
61089008	CHICKEN CUTTERS	140	0.0	140	0.0	0	0.00
61089009	COOLER ROOM WORKERS, MEAT	110	0.0	110	0.0	0	0.00
61089012	DECORATORS, BAKERY PRODUCTS	50	0.0	50	0.0	0	0.00
61089013	DEHAIRING MACHINE OPERATORS	*	***	*	***	*	***
61089014	SCREEN CUTTERS/MARKERS, NONPHOTO	60	0.0	70	0.0	10	16.67
61089015	DIE MOUNTERS	60	0.0	60	0.0	0	0.00
61089016	DIGESTER OPERATOR HELPERS	100	0.0	110	0.0	10	10.00
61089017	DRAPERS	*	***	*	***	*	***
61089023	FLOOR WORKERS, FOOTWEAR	70	0.0	60	0.0	-10	-14.29
61089029	INGREDIENT SCALERS	20	0.0	20	0.0	0	0.00
61089031	LEATHER WORKERS	20	0.0	20	0.0	0	0.00
61089032	LUGGAGE MAKERS	20	0.0	10	0.0	-10	-50.00
61089040	POULTRY DRESSERS, EVISCERATORS	1230	0.0	1200	0.0	-30	-2.44
61089042	PRINTER-SLOTTER FEEDERS	100	0.0	110	0.0	10	10.00
61089044	PLASTICS REPAIRERS	70	0.0	80	0.0	10	14.29
61089048	SEASONERS, MACHINE	30	0.0	20	0.0	-10	-33.33
61089052	EXTRACTOR OPERATORS, EXT PL OPS	70	0.0	70	0.0	0	0.00
61089058	SKINNERS, ANIMAL	120	0.0	110	0.0	-10	-8.33
61089060	SMOKERS	80	0.0	70	0.0	-10	-12.50
61089061	SPLITTING MACHINE FEEDERS	60	0.0	50	0.0	-10	-16.67
61089062	SPOT CLEANERS	10	0.0	10	0.0	0	0.00
61089063	SPRAYERS, HAND &/OR MACHINE	80	0.0	60	0.0	-20	-25.00
61089064	STAINERS	*	***	*	***	*	***
61089065	STICKERS	20	0.0	20	0.0	0	0.00
61089067	REFINERY OPERATOR HELPERS, PETROL	*	***	*	***	*	***
61089069	STUNNERS	10	0.0	10	0.0	0	0.00
61089070	TACKERS, TOGGERS, & PASTERS	150	0.0	120	0.0	-30	-20.00
61089071	THREAD TRIMMERS	10	0.0	10	0.0	0	0.00
61089072	TIRE FINISHERS	20	0.0	20	0.0	0	0.00
61089078	CASTERS, PLASTICS	*	***	*	***	*	***
61089082	FINISHERS, POTTERY & PORCELAIN	110	0.0	130	0.0	20	18.18
61089085	ENROBING MACH OPS/MACHINE ICERS	10	0.0	10	0.0	0	0.00
61089087	FLAMERS	30	0.0	20	0.0	-10	-33.33
61089088	LASTERS, HAND	10	0.0	10	0.0	0	0.00
61089089	SIDE LASTERS	30	0.0	20	0.0	-10	-33.33
61089090	TOE LASTERS	20	0.0	20	0.0	0	0.00
61089091	PURIFICATION OPERATORS, ETC	*	***	*	***	*	***
61089092	MARKERS	20	0.0	20	0.0	0	0.00
61089095	PRESS ASSISTANTS & FEEDERS	1120	0.0	1310	0.0	190	16.96
61089096	COPY MARKERS	40	0.0	40	0.0	0	0.00
61089097	MAILERS	650	0.0	760	0.0	110	16.92

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
61089200	OPERATIVE, NEC, NONMFG	220	0.0	270	0.0	50	22.73
61089203	BILLPOSTERS	20	0.0	20	0.0	0	0.00
61089204	EXTERMINATORS	170	0.0	210	0.0	40	23.53
61089221	DRAPERY & UPHOLSTERY MEASURERS	40	0.0	50	0.0	10	25.00
62000000	TRANSPORT EQUIP OPERATIVES	77390	3.9	85590	3.8	8200	10.60
62000400	BUS DRIVERS	13150	0.6	14650	0.6	1500	11.41
62000401	BUS DRIVERS	2880	0.1	3140	0.1	260	9.03
62000402	BUS DRIVERS, SCHOOL	10260	0.5	11510	0.5	1250	12.18
62000800	DELIVERY & ROUTE WORKERS	18630	0.9	21080	0.9	2450	13.15
62000801	DELIVERY & ROUTE WORKERS	18460	0.9	20870	0.9	2410	13.06
62000802	FURNITURE ASSEMBLERS & INSTALLRS	180	0.0	210	0.0	30	16.67
62001000	FORK LIFT, TOW MOTOR OPS	11530	0.5	12380	0.5	850	7.37
62001001	INDUSTRIAL TRUCK OPERATORS	11290	0.5	12130	0.5	840	7.44
62001002	CARRIER DRIVERS	10	0.0	10	0.0	0	0.00
62001003	LOG HANDLING EQUIPMENT OPERATORS	220	0.0	240	0.0	20	9.09
62001400	PARKING LOT ATTENDANTS	290	0.0	350	0.0	60	20.69
62001600	RAILROAD BRAKE OPERATORS	860	0.0	1000	0.0	140	16.28
62001800	TOWER OPERATORS	50	0.0	60	0.0	10	20.00
62002000	TAXICAB DRIVERS, CHAUFFERS	1160	0.0	1300	0.0	140	12.07
62002001	AMBULANCE DRIVERS/AMB ATTENDANTS	420	0.0	470	0.0	50	11.90
62002004	TAXI DRIVERS	420	0.0	460	0.0	40	9.52
62002005	DRIVERS, ASSEMBLY LINE	140	0.0	140	0.0	0	0.00
62002008	RENTAL CAR DELIVERY WORKERS	30	0.0	40	0.0	10	33.33
62002007	CHAUFFEURS	160	0.0	200	0.0	40	25.00
62002200	TRUCK DRIVING OCCUPATIONS	31730	1.6	34780	1.5	3050	9.61
62002201	TRUCK DRIVERS	31700	1.6	34750	1.5	3050	9.62
62002205	BOOKMOBILE DRIVERS	20	0.0	30	0.0	10	50.00
63000000	ALL OTHER OPS & SEMISKILLED WKRS	34490	1.7	37170	1.6	2680	7.77
70000000	SERVICE WORKERS	335850	17.2	394730	17.6	58880	17.53
70020000	CLEANING SERVICE WORKERS	58320	3.0	67280	3.0	8960	15.36
70020600	JANITORS, PORTERS, & CLEANERS	58320	3.0	67280	3.0	8960	15.36
70040000	FOOD SERVICE WORKERS	174210	8.9	203430	9.1	29220	16.77
70040200	BAKERS, BREAD &/OR PASTRY	1610	0.0	1870	0.0	260	16.15
70040400	BARTENDERS	28480	1.4	33980	1.5	5500	19.31
70040600	DINING RM ATTNS, BAR HELPERS, ETC	8300	0.4	9930	0.4	1630	19.64
70040800	COOKS, EX PRIVATE	26320	1.3	29870	1.3	3550	13.49
70040802	COOKS, SHORT ORDER/SPEC FAST FD	7400	0.3	8140	0.3	740	10.00
70040803	COOKS, RESTAURANT	9920	0.5	11840	0.5	1920	19.35
70040804	COOKS, INSTITUTIONAL	9000	0.4	9900	0.4	900	10.00
70041400	BUTCHERS &/OR MEAT CUTTERS	3500	0.1	3860	0.1	360	10.29
70041600	WAITERS & WAITRESSES	51610	2.6	57440	2.5	5830	11.30
70041601	HOSTS/HOSTESSES, REST, LNGE, COF SH	3020	0.1	3600	0.1	580	19.21

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
70041602	WAITERS OR WAITRESSES	48580	2.5	53840	2.4	5260	10.83
70041800	FOOD WORKERS, NEC, EX PRIVATE	54390	2.8	66480	2.9	12090	22.23
70041802	KITCHEN HELPERS	23910	1.2	28030	1.2	4120	17.23
70041804	FD PREP & SERV WKRS, FAST FD REST	17620	0.9	23610	1.0	5990	34.00
70041805	PANTRY, SANDWICH, &/OR COFF MAKERS	1450	0.0	1750	0.0	300	20.69
70041898	COUNTER ATTN, LUNCHRM, COF SH.	1470	0.0	1800	0.0	330	22.45
70041899	ALL OTHER FOOD SERVICE WORKERS	9950	0.5	11300	0.5	1350	13.57
70060000	HEALTH SERVICE WORKERS	41550	2.1	50310	2.2	8760	21.08
70060400	OCCUPATIONAL THERAPY AIDES	340	0.0	420	0.0	80	23.53
70061000	NURSING ASSISTANT OCCUPS	41210	2.1	49890	2.2	8680	21.06
70061010	NURSES AIDES/ORDERLIES	37590	1.9	45440	2.0	7850	20.88
70061011	PSYCHIATRIC AIDES	1090	0.0	1360	0.0	270	24.77
70061012	ORTHOPEDIC CAST SPECIALISTS	40	0.0	50	0.0	10	25.00
70061013	MEDICAL ASSISTANTS	2490	0.1	3040	0.1	550	22.09
70080000	PERSONAL SERVICE WORKERS	21930	1.1	26940	1.2	5010	22.85
70080200	FLIGHT ATTENDANTS	*	* **	*	* **	*	* **
70080400	ATTNS, RECREATION & AMUSEMENT	4120	0.2	4790	0.2	670	16.26
70080401	RECREATION FACILITY ATTENDANTS	2290	0.1	2620	0.1	330	14.41
70080402	GAME OPS, RIDE OPS, CONCESS WKRS	100	0.0	120	0.0	20	20.00
70080403	PIN CHASERS	470	0.0	590	0.0	120	25.53
70080407	LIFEGUARDS	1260	0.0	1460	0.0	200	15.87
70080600	ATTNS, PERSONAL SERVICE, NEC	2570	0.1	3140	0.1	570	22.18
70080602	MORTUARY BEAUTICIANS	20	0.0	30	0.0	10	50.00
70080603	COSTUMERS	*	* **	*	* **	*	* **
70080607	FUNERAL ATTENDANTS	140	0.0	180	0.0	40	28.57
70080608	GUIDES, TRAVEL	90	0.0	80	0.0	-10	-11.11
70080609	MASSEURS OR MASSEUSES	30	0.0	40	0.0	10	33.33
70080611	INSTRUCTORS, REDUCING	510	0.0	610	0.0	100	19.61
70080616	HOUSEKEEPERS, HOTEL & MOTEL	1340	0.0	1660	0.0	320	23.88
70080618	CHECKROOM & LOCKER RM ATTNS	320	0.0	400	0.0	80	25.00
70080619	GUIDES, SIGHTSEEING OR ESTABLHMT	110	0.0	140	0.0	30	27.27
70080800	BAGGAGE PORTERS & BELLHOPS	310	0.0	320	0.0	10	3.23
70080801	BELLHOPS, BAG PORTERS, DRKPRS, ETC	170	0.0	180	0.0	10	5.88
70080803	BAGGAGE HANDLERS	140	0.0	150	0.0	10	7.14
70081000	BARBERS	680	0.0	1030	0.0	350	51.47
70081400	BOOTBLACKS	20	0.0	30	0.0	10	50.00
70081600	CHILD CARE WORKERS, EX PRIVATE	3800	0.2	4730	0.2	930	24.47
70081601	CHILD CARE ATTENDANTS	750	0.0	950	0.0	200	26.67
70081602	CHILD CARE WORKERS	3050	0.1	3780	0.1	730	23.93
70081800	ELEVATOR OPERATORS	40	0.0	40	0.0	0	0.00
70082000	HAIRDRESSERS, COSMETOLOGISTS	7080	0.3	8880	0.4	1800	25.42
70082001	COSMETOLOGISTS/WM'S HAIRSTYLISTS	7020	0.3	8800	0.3	1780	25.36

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA 01 - WISCONSIN STATEWIDE
 INDUSTRY 01 TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
70082003	MANICURISTS	40	0.0	50	0.0	10	25.00
70082005	WIG DRESSERS	30	0.0	30	0.0	0	0.00
* 70082200	STEWARDS, SHIP	*	* **	*	* **	*	* **
70082800	USHERS, LOBBY ATTNS, TICKET TAKERS	1410	0.0	1660	0.0	250	17.73
70083000	WELFARE SERVICE AIDES	1900	0.1	2310	0.1	410	21.58
70100000	PROTECTIVE SERVICE WORKERS	29180	1.5	34000	1.5	4820	16.52
70100200	CROSSING GUARDS, BRIDGE TENDERS	1350	0.0	1490	0.0	140	10.37
70100202	CROSSING OR BRIDGE TENDERS	170	0.0	200	0.0	30	17.65
70100203	SCHOOL CROSSING GUARDS	1180	0.0	1300	0.0	120	10.17
70100400	FIREFIGHTING OCCUPATIONS	4880	0.2	5360	0.2	480	9.84
70100401	FIRE FIGHTERS	3850	0.2	4240	0.1	390	10.13
70100402	FIRE INSPECTORS	80	0.0	90	0.0	10	12.50
70100403	FIRE OFFICERS	940	0.0	1030	0.0	90	9.57
70100600	GUARDS	12320	0.6	15410	0.6	3090	25.08
70100601	GUARDS & DOORKEEPERS	10070	0.5	12520	0.5	2450	24.33
70100602	CHECKERS, FITTING ROOM	60	0.0	70	0.0	10	16.67
70100606	FISH & GAME WARDENS	190	0.0	210	0.0	20	10.53
70100607	CORRECTION OFFICERS &/OR JAILERS	1990	0.1	2620	0.1	630	31.66
70100800	U.S. MARSHALLS	20	0.0	20	0.0	0	0.00
70101000	POLICE & DETECTIVES	10130	0.5	11270	0.5	1140	11.25
70101001	DETECTIVES, PRIVATE	110	0.0	150	0.0	40	36.36
70101002	STORE DETECTIVES	230	0.0	320	0.0	90	39.13
70101003	RAILROAD POLICE	30	0.0	30	0.0	0	0.00
70101004	POLICE OFFICERS	1520	0.0	1660	0.0	140	9.21
70101005	POLICE DETECTIVES	1070	0.0	1210	0.0	140	13.08
70101006	POLICE PATROLMEN/WOMEN	7020	0.3	7730	0.3	710	10.11
70101007	PARKING ENFORCEMENT OFFICERS	140	0.0	170	0.0	30	21.43
70101200	SHERIFFS & BAILIFFS	490	0.0	440	0.0	-50	-10.20
70101201	SHERIFFS	380	0.0	320	0.0	-60	-15.79
70101202	BAILIFFS	120	0.0	130	0.0	10	8.33
70120000	PRIVATE HOUSEHOLD WORKERS	1250	0.0	1580	0.0	330	26.40
70120200	CHILD CARE WKRS, PVT HSHLD	500	0.0	630	0.0	130	26.00
70120400	COOKS, PVT HSHLD	30	0.0	40	0.0	10	33.33
70120600	HOUSEKEEPERS, PVT HSHLD	110	0.0	140	0.0	30	27.27
* 70120800	LAUNDERERS, PVT HSHLD	*	* **	*	* **	*	* **
70121000	MAIDS, SERVANTS, PVT HSHLD	610	0.0	770	0.0	160	26.23
70121001	MAIDS, SERVANTS, PVT HSHLD	610	0.0	770	0.0	160	26.23
70200000	OTHER SERVICE WORKERS	9430	0.4	11180	0.5	1750	18.56
70200001	SUPERVISORS, NONWORKING, SERVICE	3490	0.1	4090	0.1	600	17.19
70200099	ALL OTHER SERVICE WORKERS	5930	0.3	7090	0.3	1160	19.55
80000000	LABORERS, EX FARM	119650	6.1	129690	5.8	10040	8.39
80000200	ANIMAL CARETAKERS	1790	0.0	2230	0.1	440	24.58

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : O - WISCONSIN: STATEWIDE
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CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
80000600	CONST LABRS,EX CARPEN HLPRS	5650	0.2	6270	0.2	620	10.97
80000601	AIR HAMMER OPERATORS	100	0.0	110	0.0	10	10.00
80000603	FORM SETTERS,METAL ROAD FORM	100	0.0	120	0.0	20	20.00
80000607	FENCE ERECTORS	130	0.0	150	0.0	20	15.38
80000608	GROUND WORKERS, UTILITIES	210	0.0	230	0.0	20	9.52
80000609	PIPELAYERS	620	0.0	700	0.0	80	12.90
80000610	REINFORCING-IRON WORKERS	370	0.0	420	0.0	50	13.51
80000611	TRENCH SEWER SHAPERS	20	0.0	20	0.0	0	0.00
80000612	SEWER TAPPERS	*	***	*	***	*	***
80000628	HIGHWAY MAINTENANCE WORKERS	3930	0.2	4320	0.1	390	9.92
80000629	ASPHALT RAKERS	170	0.0	200	0.0	30	17.65
80001000	FREIGHT,MATERIAL HANDLERS	2500	0.1	2650	0.1	150	6.00
80001005	CHAIN OFFBEARERS,LUMBER	380	0.0	400	0.0	20	5.26
80001006	KILN TRANSFER OPERATORS	*	***	*	***	*	***
80001007	LOADERS,CAR & TRUCK	140	0.0	150	0.0	10	7.14
80001008	LUMBER STRAIGHTENERS	110	0.0	120	0.0	10	9.09
80001009	OFF-BEARERS	600	0.0	630	0.0	30	5.00
80001012	SAMPLERS &/OR TEST PREPARERS	20	0.0	20	0.0	0	0.00
80001014	KILN STACKER OPERATORS	30	0.0	30	0.0	0	0.00
80001015	TIRE LAYERS & EXTRACTORS	20	0.0	20	0.0	0	0.00
80001016	WEIGHERS,PRODUCTION	190	0.0	190	0.0	0	0.00
80001018	VENEER DRIER FEEDERS	70	0.0	80	0.0	10	14.29
80001019	LOADERS,TANK CARS &/OR TRUCKS	70	0.0	90	0.0	20	28.57
80001020	CONVEYOR OPERATORS OR TENDERS	790	0.0	830	0.0	40	5.06
80001023	WORK DISTRIBUTORS	90	0.0	90	0.0	0	0.00
80001200	GARBAGE COLLECTORS	1590	0.0	1610	0.0	20	1.26
80001400	GARDENERS & GROUNDSKEEPERS	8440	0.4	9950	0.4	1510	17.89
80001401	GARDENERS & GROUNDSKEEPERS	8320	0.4	9820	0.4	1500	18.03
80001402	TREE TRIMMERS	130	0.0	140	0.0	10	7.69
80001800	TIMBERCUTTING,LOGGING WKRS	930	0.0	1000	0.0	70	7.53
80001802	CHOKER SETTERS,LUMBER	10	0.0	20	0.0	10	100.00
80001803	DECKER OPERATORS	60	0.0	60	0.0	0	0.00
80001805	FALLERS &/OR BUCKERS	790	0.0	850	0.0	60	7.59
80001806	HEAD LOADERS	*	***	*	***	*	***
80001807	HIGH CLIMBERS	*	***	*	***	*	***
80001809	RIGGING SLINGERS	50	0.0	60	0.0	10	20.00
80001810	SECOND LOADERS	*	***	*	***	*	***
80002000	STOCK HANDLERS	22720	1.1	25920	1.1	3200	14.13
80002001	ORDER FILLERS	7400	0.3	8220	0.3	820	11.08
80002003	STOCK CLERKS,SALES FLOOR	15320	0.7	17710	0.7	2390	15.60
80002400	VEHICLE WASHERS,EQUIP CLNRS	3260	0.1	3600	0.1	340	10.43
80002401	CLEANERS,VEHICLE	2290	0.1	2660	0.1	370	16.16

Table 8

DES INDUSTRY EMPLOYMENT AND PERCENT

DISTRIBUTION BY OCCUPATION, 1984 AND PROJECTED 1995

AREA : 0 - WISCONSIN: STATEWIDE
 INDUSTRY : - TOTAL ALL INDUSTRIES, ALL CLASSES OF WORKERS

CODE	OCCUPATION TITLE	BASE YEAR 1984		PROJ YEAR 1995		CHANGE IN EMPLOYMENT	PERCENT CHANGE
		EMPLOYMENT	PCT OF IND TOTAL	EMPLOYMENT	PCT OF IND TOTAL		
80002402	POLISHERS, MOLD	*	*. **	*	*. **	*	*. **
80002403	MOLD CLEANERS, TIRE	10	0.0	10	0.0	0	0.00
80002404	EQUIPMENT CLEANERS, HAND	960	0.0	920	0.0	-40	-4.17
80002800	OTHER LABORERS	72780	3.7	76460	3.4	3680	5.06
80002801	SAND CUTTERS, MIXERS, SLINGERS	230	0.0	260	0.0	30	13.04
80002804	TRACK LAYERS	*	*. **	*	*. **	*	*. **
80002809	HOSE LOADERS	*	*. **	*	*. **	*	*. **
80002812	SETTERS &/OR DRAWERS	10	0.0	10	0.0	0	0.00
80002813	SHAKEOUT WORKERS, FOUNDRY	480	0.0	530	0.0	50	10.42
80002815	STRIPPERS	60	0.0	70	0.0	10	16.67
80002818	BELT MAKERS, SANDING DRUMS	180	0.0	210	0.0	30	16.67
80002819	FURNACE OP HELPERS/HEATER HELPERS	-110	0.0	120	0.0	10	9.09
80002821	SCRAP SORTERS	30	0.0	30	0.0	0	0.00
80002822	RIGGERS	270	0.0	310	0.0	40	14.81
80002823	HELPERS, TRADES	9400	0.4	10540	0.4	1140	12.13
80002824	CANNERY WORKERS	850	0.0	820	0.0	-30	-3.53
80002825	TRUCK DRIVER HELPERS	740	0.0	800	0.0	60	8.11
80002826	SHANK PIECE TACKERS	20	0.0	10	0.0	-10	-50.00
80002827	LOCKER PLANT ATTENDANTS	120	0.0	130	0.0	10	8.33
80002828	RAW CHEESE WORKERS	880	0.0	850	0.0	-30	-3.41
80002829	TREERS	40	0.0	30	0.0	-10	-25.00
80002830	LINE SERVICE ATTENDANTS	320	0.0	350	0.0	30	9.38
80002831	FOREST CONSERVATION WORKERS	240	0.0	260	0.0	20	8.33
80002832	SEPTIC TANK SERVICERS, ETC	150	0.0	180	0.0	30	20.00
80002834	SIGNALLERS	20	0.0	30	0.0	10	50.00
80002899	ALL OTHER LABORERS & UNSKLD WKRS	58630	3.0	60920	2.7	2290	3.91
90000000	FARMERS & FARM WORKERS	130	0.0	160	0.0	30	23.08
90020000	FARMERS & FARM MANAGERS	50	0.0	60	0.0	10	20.00
90020400	FARM MANAGERS	50	0.0	60	0.0	10	20.00
90040000	FARM LABORERS, FARM SUPERVISORS	80	0.0	110	0.0	30	37.50
90040200	FARM SUPERVISORS	80	0.0	110	0.0	30	37.50

Table 8

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
TOTAL - ALL OCCUPATIONS		26,543	71,742	98,285
TOTAL - PROFESSIONAL, TECHNICAL, AND KINDRED		5,566	10,647	16,213
10020200	AERONAUTICAL ENGINEERS	0	0	0
10020400	CHEMICAL ENGINEERS	6	8	14
10020600	CIVIL ENGINEERS	37	66	103
10020800	ELECTRICAL ENGINEERS	82	73	155
10021000	INDUSTRIAL ENGINEERS	56	83	139
10021200	MECHANICAL ENGINEERS	142	144	286
10021400	METALLURGISTS & MET ENGINEERS	3	4	7
10021600	MINING ENGINEERS	0	0	0
10022003	TRAFFIC ENGINEERS	0	1	1
10022004	NUCLEAR ENGINEERS	0	1	1
10022005	AGRICULTURAL ENGINEERS	0	0	0
10022099	ALL OTHER ENGINEERS	23	54	77
10040200	AGRICULTURAL SCIENTISTS	4	8	12
10040400	METEOROLOGISTS	1	1	2
10040601	BIOLOGICAL SCIENTISTS	7	13	20
10040602	MEDICAL SCIENTISTS	1	1	2
10040800	CHEMISTS	30	44	74
10041000	GEOLOGISTS & GEOPHYSICISTS	1	0	1
10041400	PHYSICISTS	1	3	4
10041600	LIFE&PHYSICAL SCIENTISTS,NEC	2	1	3
10041607	OCEANOGRAPHERS	0	0	0
10060200	ACTUARIES	4	5	9
10060402	MATHEMATICIANS	0	0	0
10060403	ALL OTHER MATH SCIENTISTS	2	1	3
10060600	STATISTICIANS	4	8	12
10080601	DRAFTERS	107	215	322
10080602	ESTIMATORS & DRAFTERS,UTILITIES	1	3	4
10080801	SOUND RECORDING & REPRO TECHNS	0	0	0
10080802	VIDEO RECORDING ENGINEERS	0	0	0
10080803	ELECTRICAL & ELECTRONIC TECHNS	135	59	194
10080808	BROADCAST TECHNICIANS	9	4	5
10081000	INDUSTRIAL ENGINEERING TECHNS	10	18	28
10081200	MATHEMATICAL TECHNICIANS	0	0	0
10081400	MECHAN ENGINEERING TECHNICIANS	13	21	34
10081600	SURVEYORS	7	9	16
10081806	RADIOGRAPHERS	0	0	0
10081807	SPECTROSCOPISTS	0	1	1
10081808	TIMBER CRUISERS	0	1	1
10081811	COLORISTS TEXTILES	0	0	0
10081812	PHYSICAL SCIENCE TECHNICIANS	1	5	6
10081813	TRAFFIC TECHNICIANS	0	1	1
10081814	SPECIFICATION WRITERS,ENGINEER'G	0	0	0
10081815	LIGHT TECHNICIANS	0	0	0
10081816	CIVIL ENGINEERING TECHNICIANS	12	12	24
10081897	BIO & AGRICUL SCI TE	8	26	34
10081898	ALL OTHR ENGINEERING TECHNICIANS	34	48	82

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
10081999	ALL OTHER SCIENCE TECHNICIANS	22	33	55
10100200	CHIROPRACTORS	4	11	15
10100400	DENTISTS	39	48	87
10100600	DIETITIANS &/OR NUTRITIONISTS	20	47	67
10100800	NURSES, PROFESSIONAL	635	1,178	1,813
10101000	OPTOMETRISTS	2	11	13
10101200	PHARMACISTS	66	211	277
10101400	PHYSICIANS &/OR SURGEONS	159	112	271
10101600	PODIATRISTS	2	7	9
10101801	OCCUPATIONAL THERAPISTS	27	34	61
10101802	MANUAL ARTS, MUSIC, REC THERAPISTS	6	11	17
10101803	SPEECH & HEARING CLINICIANS, ETC	17	36	53
10101804	PHYSICAL THERAPISTS	30	43	73
10101807	AUDIOMETRISTS	1	1	2
10101808	CORRECTIVE THERAPISTS	1	2	3
10101809	INHALATION THERAPISTS	17	24	41
10101810	ALL OTHER THERAPISTS	6	14	20
10102000	VETERINARIANS	6	12	18
10120201	MEDICAL LAB TECHNOLOGISTS	27	78	105
10120202	BIOCHEMISTRY TECHNOLOGISTS	5	7	12
10120203	MICROBIOLOGY TECHNOLOGISTS	5	8	13
10120204	CYTOTECHNOLOGISTS	3	4	7
10120205	HISTOLOGIC TECHNOLOGISTS	4	6	10
10120206	MEDICAL LAB ASSISTANTS	14	39	53
10120207	BLOOD BANK SPECIALISTS	6	8	14
10120208	MED & DENTAL TECHNOLS & TECHNS	2	5	7
10120401	DENTAL ASSISTANTS	89	166	255
10120402	DENTAL HYGIENISTS	47	73	120
10120600	HEALTH RECORD TECHNOLOGISTS	11	28	39
10120801	X-RAY TECHNICIANS	42	62	104
10120804	RADIOLOGIC TECHS & NUC MED TECHS	13	21	34
10121002	SURGICAL TECHNICIANS	26	33	59
10121003	RADIATION MONITORS	0	0	0
10121004	ORTHOPISTS	1	1	2
10121005	PROSTHETISTS, ORTHOTISTS	1	1	2
10121006	EKG TECHNICIANS	8	11	19
10121007	EEG TECHNICIANS	3	3	6
10121008	EMERGENCY MEDICAL TECHNICIANS	7	34	41
10121009	PHARMACY HELPERS	17	40	57
10121010	LICENSED PRACTICAL NURSES	263	571	834
10121011	DIETETIC TECHNICIANS	7	9	16
10121012	PHYSICAL THERAPY TECHNICIANS	16	31	47
10121014	PHYSICIANS ASSISTANTS	9	14	23
10121099	ALL OTHER MED & DENT TECHNICIANS	28	39	67
10140200	AIRPLANE PILOTS	3	3	6
10140400	AIR TRAFFIC CONTROLLERS	2	2	4
10140600	EMBALMERS	5	1	6
10141000	RADIO OPERATORS	1	3	4
10141200	TOOL PROGRAMMERS, NUMERICAL CONT	28	2	30
10141401	MUSEUM TECHNICIANS, RESTORERS	1	2	3

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
10141403	TAXIDERMISTS	0	0	0
10141404	ALL OTHER TECHNICIANS	50	86	106
10141405	TECHNICAL ASSISTANTS, LIBRARY	12	20	22
10160200	COMPUTER PROGRAMMERS	157	56	213
10160400	SYSTEMS ANALYSTS, EDP	251	65	316
10180201	FINANCIAL ANALYSTS	7	12	19
10180202	ECONOMISTS	3	13	16
10180204	MEDIA ANALYSTS	3	4	7
10180205	MARKET RESEARCH ANALYSTS	2	3	5
10180600	PSYCHOLOGISTS	18	29	47
10180800	SOCIOLOGISTS	1	0	1
10181000	URBAN AND REGIONAL PLANNERS	5	5	10
10181200	ALL OTHER SOCIAL SCIENTISTS	5	4	9
10201000	TEACHERS, ADULT EDUCATION	80	89	169
10202001	TEACHERS, VOCATIONAL ED OR TRAIN	111	73	184
10202002	TEACHERS, COLLEGE	4	141	137
10202003	GRADUATE ASSISTANTS	20	83	63
10202004	EXTENSION SERVICE SPECIALISTS	5	9	14
10202005	PROFESSORS	14	108	94
10202006	ASSOC. PROFESSORS	16	112	96
10202007	ASST. PROFESSORS	17	126	109
10202008	LECTURERS	12	28	40
10202009	ATHLETIC COACHES	5	13	18
10203000	TEACHERS, ELE. PRES. & KIND.	522	1265	1787
10205000	TEACHERS, SECONDARY	311	651	962
10206001	DANCE INSTRUCTORS	13	32	45
10206002	INSTRUCTORS, AUTO DRIVING	0	0	0
10206003	INSTRUCTORS, CORRESP. SCH.	0	0	0
10206099	ALL OTHER TEACHERS	22	67	89
10220200	ACTORS OR ACTRESSES	1	1	2
10220401	ATHLETES	8	8	16
10220402	COACHES, PROFESSIONAL ATHLETES	1	1	2
10220403	SPORTS INSTRUCTORS	14	15	29
10220404	UMPIRES	1	1	2
10220405	ATHLETIC TRAINERS	0	0	0
10220800	DANCERS	4	6	10
10221001	DESIGNERS	31	62	93
10221003	FURRIERS	0	0	0
10221201	WRITERS &/OR EDITORS	40	91	131
10221202	FILM EDITORS	0	1	1
10221203	REPORTERS & CORRESPONDENTS	18	43	61
10221404	MUSICIANS, INSTRUMENTAL	15	22	37
10221405	SINGERS	1	1	2
10221408	MUSIC DIRECTORS	1	1	2
10221601	COMMERCIAL ARTISTS	23	52	81
10221604	PAINTERS, ARTISTIC	0	0	0
10221802	TELEVISION CAMERA OPERATORS	0	1	1
10221805	PHOTOGRAPHERS	14	27	41
10222000	PUBLIC RELATIONS SPECIALISTS	42	72	114
10222201	ANNOUNCERS	0	8	8
10222202	BROADCAST NEWS ANALYSTS	2	1	3

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
10240201	ACCOUNTANTS & AUDITORS	269	518	787
10240202	BUDGET ANALYSTS	5	12	17
10240203	TAX EXAMINERS, COLLECTRS, REV AGTS	5	24	29
10240204	TAX PREPARERS	26	28	54
10240400	ARCHITECTS	15	33	48
10240601	ARCHIVISTS	0	0	0
10240603	MUSEUM CURATORS	1	5	6
10240801	PURCHASING AGENTS &/OR BUYERS	38	106	144
10240803	MEDIA BUYERS	2	4	6
10240804	BUYERS, RETAIL &/OR WHOLSL TRADE	59	179	238
10240805	RIGHT-OF-WAY AGENTS	0	2	2
10241000	CLERGY	3	7	10
10241200	DIRECTORS, REL ACT &/OR REL ED	78	246	324
10241400	COUNTY AGRIC. SPECIALISTS	4	9	13
10241600	FORESTERS & CONSERV SCIENTISTS	6	23	29
10242001	JUDGES	4	60	64
10242002	MAGISTRATES	0	2	2
10242201	LAW CLERKS	24	59	83
10242202	LAWYERS	102	230	332
10242203	PARALEGAL PERSONNEL	37	42	79
10242401	LIBRARIANS	19	162	181
10242402	AUDIO VISUAL SPECIALISTS	2	7	9
10242802	PERSONNEL, LABOR REL SPECIALISTS	63	119	182
10242803	EMPLOYMENT INTERVIEWERS	23	47	70
10243201	GROUP RECREATION WORKERS	46	92	138
10243206	CAMP DIRECTORS	1	1	2
10243401	CASEWORKERS	56	199	255
10243404	WELFARE INVESTIGATORS	3	10	13
10243405	COMMUNITY ORGANIZATION WORKERS	18	32	50
10243600	VOCATIONAL & EDUC COUNSELORS	21	86	107
10243801	CURRICULUM SPECIALISTS	8	18	26
10243802	TECHNICAL DIRECTORS	0	0	0
10243804	SAFETY INSPECTORS	5	7	12
10243807	APPRAISERS	6	19	25
10243808	COST ESTIMATORS	20	57	77
10243809	CREDIT ANALYSTS, CHIEF	4	6	10
10243810	CREDIT ANALYSTS	11	18	29
10243811	TITLE EXAMINERS &/OR ABSTRACTORS	7	11	18
10243813	ESTIMATORS, PRINTING SERVICES	4	9	13
10243814	UNDERWRITERS	40	70	110
10243815	INVESTIGATORS, INSURANCE	3	3	6
10243816	APPRAISERS, REAL ESTATE	6	22	28
10243817	ASSESSORS	11	87	98
10243819	BROKER'S FL REPS, SEC TRADRS, ETC	1	2	3
10243820	SPECIAL AGENTS, INSURANCE	14	27	41
10243821	TRAVEL AGTS, TR ACCOM APPRAISERS	30	56	86
10243822	CLAIM EXAMINERS, PRPTY/CSLTY INS	21	24	45
10243823	BLDG INSPECTORS, FIRE INSURANCE	1	1	2
10243825	CONTRACT ADMINISTRATORS	1	3	4
10243892	HOME ECONOMISTS	0	0	0

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
10243899	ALL OTHER PROFESSIONAL WORKERS	218	275	493

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DFS MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - MANAGERS AND OFFICERS	2,580	7,523	10,103
20020800	SALES MANAGERS, RETAIL TRADE	84	159	243
20040400	CONSTRUCTION INSPECTORS	7	33	40
20040800	PUBLIC ADM INSPECTORS, EX CONST	13	46	59
20041000	CHIEF EXECUTIVES, LEGIS.	54	241	295
20041200	POSTMASTERS &/OR MAIL SUPERINTS	5	37	42
20041601	PRINCIPALS	27	65	92
20041602	ASST. PRINCIPALS	32	34	66
20041603	SUPERINTENDENTS	4	10	14
20060801	CAPTAINS, WATER VESSEL	1	4	5
20060802	PILOTS, SHIP	1	4	5
20061200	FIRST-LINE RAILROAD SUPERVISORS	9	22	31
20061400	MANAGERS, REST'RANT, COFFEE SH, ETC	89	307	396
20061612	MANAGERS, STORE	313	967	1,280
20061613	MANAGERS, AUTO SERVICE DEPT	21	71	92
20061614	MANAGERS, AUTO PARTS DEPT	10	30	40
20061615	WHOLESALEERS	67	208	275
20061699	ALL OTHER MANAGERS	1,843	5,285	7,128

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - SALES WORKERS	1,867	5,573	7,440
30001004	PLACERS	0	0	0
30001005	SALES AGENTS, SALES REPS, INSURANCE	98	195	293
30001401	BUSINESS BROKERS	0	1	1
30001402	REAL ESTATE BROKERS	1	12	13
30001403	SALES AGENTS, SALES REPS, REAL EST	20	62	82
30001601	BROKER & MARKET OPERATORS, COMMOD	1	1	2
30001604	SALES AGENTS, SALES REPS, FIN SERV	16	26	42
30001605	SALES AGENTS, SALES REPS, SECURITY	25	40	65
30001802	SALES CLERKS	713	2,257	2,970
30001803	VENDORS	1	2	3
30001804	CONTRIBUTION SOLICITORS	4	9	13
30001805	CRATING & MOVING ESTIMATORS	1	7	8
30001897	DEMONSTRATORS	2	4	6
30001899	ALL OTHER SALES WORKERS	985	2,957	3,942

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
TOTAL - CLERICAL WORKERS		5,738	13,734	19,472
40020200	SECRETARIES	1,088	1,909	2,997
40020400	STENOGRAPHERS	37	203	166
40020600	TYPISTS	262	750	1,012
40040201	BOOKKEEPING/BILLING MACH OPS	72	146	218
40040202	PROOF MACHINE OPERATORS	28	45	73
40040203	TRANSIT CLERKS	1	2	3
40040601	COMPUTER OPERATORS	167	67	234
40040602	PERIPHERAL EDP EQPT OPERATORS	69	25	94
40040800	DUPLICATING MACHINE OPERATORS	6	13	19
40041000	KEYPUNCH OPERATORS	49	222	173
40041200	TABULATING MACHINE OPERATORS	0	0	0
40041402	ADDRESSING MACHINE OPERATORS	2	3	5
40041404	INSERTING/LABELING MACH OPS	3	6	9
40041406	ALL OTHER OFFICE MACHINE OPS	17	42	59
40060201	NEW ACCOUNTS TELLERS	18	41	59
40060203	TELLERS	219	397	616
40060601	ACCOUNTING CLERKS	186	687	873
40060603	BOOKKEEPERS, HAND	233	800	1,033
40060800	CASHIERS	690	1,261	1,951
40061000	ELIGIBILITY WORKERS, WELFARE	9	17	26
40061200	CLERICAL SUPERVISORS	170	277	447
40061400	COLLECTORS	28	57	85
40061601	CAR RENTAL CLERKS	4	7	11
40061602	COUNTER CLERKS	23	38	61
40061603	DESK CLERKS	20	54	74
40061604	ORDER CLERKS	56	204	260
40061605	CIRCULATION CLERKS	4	11	15
40061606	CLASSIFIED AD CLERKS, NEWSPAPER	1	2	3
40061607	TELEPHONE AD TAKERS, NEWSPAPER	3	9	12
40061608	DESK CLERKS, BOWLING FLOOR	10	18	28
40061609	COUNTER CLERKS, TELEGRAPH OFFICE	0	0	0
40061801	DISPATCHERS, AIRPLANE	0	0	0
40061803	DISPATCHERS, POLICE, FIRE, AMBULNCE	11	33	44
40061804	DISPATCHERS, VEHICLE, SERV OR WK	11	32	43
40062000	SURVEY WORKERS	26	42	68
40062201	CREDIT AUTHORIZERS	2	7	9
40062202	CREDIT REFERENCE CLERKS	1	1	2
40062208	ADJUSTMENT CLERKS	20	53	73
40062209	CHECKING CLERKS	6	10	16
40062210	CLAIMS CLERKS	41	54	95
40062211	CREDIT REPORTERS	6	10	16
40062216	CUSTOMER SERV REPS, PRINT & PUBL	3	7	10
40062222	BOX ESTIMATORS	0	2	2
40062400	PRODUCTION CLERKS	51	121	172
40062601	FILE CLERKS	88	292	380
40062602	PERSONNEL CLERKS	27	80	107
40062603	ADMISSIONS EVALUATORS	3	10	13
40062801	CLAIM EXAMINERS, INSURANCE	15	22	37

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
40062803	CLAIM ADJUSTERS	60	45	105
40063000	LIBRARY ASSISTANTS	35	119	154
40063200	POSTAL MAIL CARRIERS	81	140	221
40063401	FREIGHT HANDLERS	0	0	0
40063402	MAIL CLERKS	31	63	94
40063601	MESSENGERS,BANK	1	2	3
40063602	MESSENGERS	10	35	45
40063800	METER READERS	9	29	38
40064000	PAYROLL/TIMEKEEPING CLERKS	60	163	223
40064200	POSTAL SERVICE CLERKS	7	126	133
40064410	PROOFREADERS,COMPOSED COPY	5	18	23
40064411	PROOFREADERS, CLERICAL	0	1	1
40064801	INFORMATION CLERKS	0	1	1
40064802	RECEPTIONISTS	164	369	533
40064803	SWITCHBD OPS/RECEPTIONISTS	77	192	269
40064804	TRAVEL COUNSELORS,AUTO CLUB	2	5	7
40065001	SHIPPING & RECEIVING CLERKS	66	219	285
40065002	SHIPPING PACKERS	73	221	294
40065003	MANIFEST CLERKS	0	0	0
40065201	GAS DISPATCHERS	0	1	1
40065202	CREW SCHEDULERS	0	0	0
40065204	ACTUARIAL CLERKS	1	2	3
40065205	BROKERAGE CLERKS	3	10	13
40065207	TRADE RECORDERS	1	1	2
40065208	MARGIN CLERKS	0	1	1
40065209	RATERS	24	37	61
40065211	STATISTICAL CLERKS	30	65	95
40065212	WORKSHEET CLERKS	6	10	16
40065214	METER READERS,TAXI	0	0	0
40065215	TALLY CLERKS,SAW MILL	0	0	0
40065216	COURT CLERKS	5	19	24
40065217	INSURANCE CHECKERS	9	14	23
40065402	PROCUREMENT CLERKS	10	33	43
40065404	STOCK CLERKS,STOCKRM,WAREHS,ETC	161	441	602
40065405	YARD CLERKS	0	2	2
40065600	TEACHERS AIDES/EDUC ASSISTANTS	147	262	409
40066000	TELEGRAPH OPERATORS	1	6	7
40066201	SWITCHBOARD OPERATORS	36	92	128
40066202	CENTRAL OFFICE OPERATORS	2	26	24
40066203	DIRECTORY ASSISTANCE OPERATORS	3	16	19
40066204	PRIVATE BRANCH SERVICE ADVISORS	0	1	1
40066401	STATION AGENTS	0	1	1
40066402	TRAFFIC AGENTS	2	6	8
40066403	RESERVATION AGENTS	0	3	3
40066404	TRANSPORTATION AGENTS	1	4	5
40066405	TICKET AGENTS	0	12	12
40066600	WEIGHERS,RECORD KEEPING	1	11	12
40066801	LOAN CLOSERS	24	36	60
40066802	DIVIDEND CLERKS	0	2	2
40066803	COIN MACH OPS/CURRENCY SORTERS	2	3	5

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
40066804	CALL-OUT OPERATORS	6	12	18
40066805	CANCELLATION CLERKS	2	3	5
40066807	CORRESPONDENCE CLERKS	14	22	36
40066808	SERVICE REPRESENTATIVES	6	30	36
40066809	MEDIA CLERKS/ESTIMATORS/BILLERS	2	4	6
40066810	FOREIGN REPORTERS	0	0	0
40066811	GENERAL CLERKS.OFFICE	459	1,582	2,041
40066812	IN-FILE OPERATORS	2	4	6
40066814	SECURITIES CASHIERS.EXCHANGE	2	3	5
40066815	POLICY CHANGE CLERKS	34	53	87
40066816	PURCHASE & SALES CLERKS.SECURITY	0	1	1
40066818	REAL ESTATE CLERKS	4	7	11
40066820	SAFE DEPOSIT CLERKS	8	13	21
40066822	SECURITY DESCRIPTION CLERKS	0	1	1
40066823	STATEMENT CLERKS	14	22	36
40066824	SERVICE CLERKS	11	28	39
40066825	TITLE SEARCHERS	2	3	5
40066826	TRAFFIC CLERKS	1	5	6
40066827	TRANSFER CLERKS	1	2	3
40066828	TRAVEL CLERKS	0	0	0
40066829	MARKING CLERKS TRADE	13	32	45
40066831	PROTECTIVE SIGNAL OPERATORS	2	3	5
40066833	FILM BOOKERS	0	0	0
40066834	SHADE TICKET MARKERS	0	0	0
40066838	RATE CLERKS.FREIGHT	2	10	12
40066840	TOWN CLERKS	10	70	80
40066841	CREDIT CLERKS.BANK&/ORINSURANCE	20	31	51
40066842	MORTGAGE CLOSING CLERKS	16	23	39
40066844	SORTING CLERKS.BANK	5	8	13
40066845	INSURANCE CLERKS	3	7	10
40066846	INSURANCE CLERKS.MEDICAL	56	95	151
40066847	SCRIPT CLERKS	0	0	0
40066848	LICENSE CLERKS	0	2	2
40066898	ALL OTHER OFFICE CLERICAL WKRS	183	559	742
40066899	ALL OTHER PLANT CLERICAL WKRS	100	145	245

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - CRAFT AND KINDRED WORKERS	2,341	6,289	8,630
50020201	CARPENTERS	126	464	590
50020204	SHIPWRIGHTS	0	0	0
50020205	PICTURE FRAMERS	2	7	9
50020601	BRICKLAYERS	22	40	62
50020602	STONE MASONS	1	2	3
50020606	REFRACTORY MATERIALS REPAIRERS	1	3	4
50021000	LOGGING TRACTOR OPERATORS	3	11	14
50021201	CEMENT MASONS	26	41	67
50021202	CONCRETE WALL GRINDER OPERATORS	0	0	0
50021203	CONCRETE RUBBERS	1	1	2
50021206	TERRAZZO WORKERS	0	0	0
50021401	ELECTRICIANS	81	213	294
50021802	CONCRETE MIXER OPERATORS	1	1	2
50021803	DREDGE OPERATORS	0	0	0
50021805	FINE GRADERS	0	0	0
50021806	FORM TAMPER OPERATORS,ETC	0	0	0
50021807	HEAVY EQUIPMENT OPERATORS	62	133	195
50021809	BATCH PLANT OPERATORS	1	3	4
50021810	BALLAST CLEAN MACH OPERATORS,ETC	0	1	1
50022000	FLOOR SANDING MACHINE OPERATORS	0	0	0
50022200	PAINTERS,MAINTENANCE	36	141	177
50022600	PAPERHANGERS	1	7	8
50022801	PLASTERERS	1	7	6
50023203	PLUMBERS &/OR PIPEFITTERS	66	155	221
50023204	INSTRUMENT FITTERS	0	0	0
50023600	ROOFERS	14	18	32
50023800	STRUCTURAL STEEL WORKERS	10	13	23
50023901	METAL FABRICATORS	5	13	18
50023902	FITTERS, STRUCTURAL METAL	3	8	11
50024001	TILE SETTERS	2	3	5
50024002	CEILING TILE INSTALLRS,FLR LAYRS	4	5	9
50040003	SUPERVISORS,NONWORKING	206	697	903
50060200	BLACKSMITHS	0	4	4
50060400	BOILERMAKERS	3	12	15
50060600	HEAT TREATERS,ANNEALERS,ETC	6	15	21
50060802	FORGING PRESS OPERATORS	1	2	3
50060803	HAMMERSMITHS,OPEN DIE	1	1	2
50060804	HEADER OPERATORS	0	0	0
50061002	DIE SETTERS	1	3	4
50061003	MACHINE TOOL SETTERS,METALWRKING	25	47	72
50061005	SETTERS,MOLDING & COREMKG MACH	0	1	1
50061007	PUNCH PRESS SETTERS,METAL	9	22	31
50061008	SHEAR &/OR SLITTER SETTERS	1	3	4
50061009	SETTERS,PLASTIC MOLDING MACHINE	7	8	15
50061202	LAYOUT MARKERS,METAL	3	11	14
50061206	MACHINISTS	50	111	161
50061600	MILLWRIGHTS	23	69	92
50061804	MOLDERS,BENCH &/OR FLOOR	3	9	6

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
50061805	MOLDERS, MACHINE (METAL)	13-	21	8
50061806	MOLDERS, PATTERN	0	0	0
50061808	SHELL MOLD/SH CORE MACH OPERATRS	4-	3	1-
50062202	PATTERNMAKERS, PLASTICS	0	1	1
50062203	PATTERNMAKERS, METAL	0	6	6
50062204	PATTERNMAKERS, WOOD	0	13	13
50062209	MODEL &/OR MOLD MAKERS	0	1	1
50062403	FORGING/STRAIGHTENING ROLL OPS	1	1	2
50062415	ROLLING MILL OPS/ATTENDANTS	0	1	1
50062416	ROLLING MILL OPERATOR HELPERS	0	0	0
50062600	SHEET METAL WORKERS	40	91	131
50063001	TOOL & DIE MAKERS	27	144	171
50063003	DIE SINKERS	0	2	2
50080200	REFRIG MECHANICS, A/C MECHANICS	23	57	80
50080400	AIRCRAFT MECHANICS	4	6	10
50080600	AUTO SEAT COVER, TOP INSTALLERS	2	1	3
50080800	AUTO BODY REPAIRERS	23	51	74
50081001	AUTOMOTIVE MECHANICS	231	390	621
50081003	AUTO REPAIR SERVICE ESTIMATORS	2	3	5
50081400	DATA PROCESSING MACH MECHANICS	69	4	73
50081600	FARM EQUIPMENT MECHANICS	15	53	68
50081803	ENGINEERING EQUIPMT MECHANICS	8	25	33
50081804	HYDROELECTRIC MACHINE MECHS, ETC	2	7	9
50081805	MINE MACHINERY MECHANICS	0	0	0
50081806	MARINE MECHANICS/REPAIRERS	1	3	4
50081807	MAINTENANCE MECHANICS	78	211	289
50081808	POWER TRANSFORMER REPAIRERS	0	0	0
50081810	TREATMENT PLANT MECHANICS	1	4	5
50081811	KNITTING MACHINE FIXERS	3	6	3
50081814	SECTION REPAIRERS & SETTERS	0	0	0
50082002	ELECTRIC METER INSTALLERS, ETC	1	2	3
50082004	GAS METER INSTALLERS	1	2	3
50082005	GAS & ELEC APPLIANCE REPAIRERS	11	26	37
50082007	HOUSEHOLD APPLIANCE INSTALLERS	5	6	11
50082009	WATER METER INSTALLERS	1	4	5
50082200	LOOM FIXERS	0	0	0
50082400	OFF MACH SERVICERS/CASH REG SERV	55	18	73
50082600	RADIO & TV SERVICERS & REPAIRERS	16	27	43
50082801	ELECTRIC TRACK SWITCH MAINTAINRS	0	0	0
50082802	SIGNAL MAINTAINERS	0	2	2
50082803	CAR REPAIRERS	3	15	18
50083201	DRAPERY HANGERS	1	1	2
50083202	BICYCLE REPAIRERS	3	5	8
50083203	CAMERA REPAIRERS	0	0	0
50083204	ELECTRIC MOTOR REPAIRERS	8	11	19
50083205	ELECTRIC TOOL REPAIRERS	1	1	2
50083206	ELECTRICAL INSTRUMENT REPAIRERS	3	9	12
50083207	GASOLINE ENGINE, MOWER REPAIRERS	5	9	14
50083208	GUNSMITHS	0	0	0
50083211	LAUNDRY MACHINE MECHANICS	5	9	14

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
50083212	LOCKSMITHS	2	3	5
50083215	COIN MACHINE SERVICERS, REPAIRERS	17	27	44
50083218	SEWING MACHINE MECHANICS	1	2	3
50083220	PROTECTIVE SIGNAL INST/REPAIRERS	1	1	2
50083221	INSTRUMENT REPAIRERS	4	15	19
50083222	DIESEL MECHANICS	40	100	140
50083224	ELECTROMEDICAL EQUIPMT REPAIRERS	3	3	6
50083225	PINSETTER MECHANICS, AUTOMATIC	4	5	9
50083226	MOTOR BOAT MECHANICS	4	9	13
50083227	ELECTRONIC MECHANICS	1	3	4
50083230	SIGN ERECTORS	3	3	6
50083299	ALL OTHER MECHANICS & REPAIRERS	30	73	103
50100202	SETTERS, BINDERY MACHINES	2	4	6
50100204	BOOKBINDERS, HAND	2	5	7
50100205	BOOKBINDERS, MACHINE	11	26	37
50100206	BINDERY WORKERS, ASSEMBLY	4	34	30
50100207	BINDERY WORKERS, STITCHING	1	6	7
50100208	ALL OTHER BINDERY WORKERS	8	37	29
50100400	COMPOSITORS &/OR TYPESETTERS	17	68	51
50100601	ELECTROTYPERS	0	0	0
50100803	ETCHERS &/OR ENGRAVERS	4	10	14
50101001	STRIPPERS, PRINTING	41	19	60
50101002	CAMERA OPERATORS, PRINTING	17	13	30
50101003	PHOTOENGRAVERS	3	4	7
50101201	PRESS OPERATORS, PLATE PRINTERS	17	26	43
50101202	OFFSET LITHOGRAPHIC PRESS OPS	52	48	100
50101203	PLATEMAKERS	31	11	42
50101205	FLEXOGRAPHIC PRESS OPERATORS	3	4	7
50101206	GRAVURE PRESS OPERATORS	0	1	1
50101207	LETTER PRESS OPERATORS	2	11	13
50101208	LETTERSET PRESS OPERATORS	1	1	2
50101209	STEEL DIE PRESS OPERATORS	0	1	1
50101210	PROOF PRESS OPERATORS	1	1	2
50120201	CABLE SPLICERS	3	8	11
50120202	LINE INSTALLERS, REPAIRERS	21	40	61
50120203	TROUBLE SHOOTERS, POWER LINE	1	2	3
50120402	YARD ENGINEERS	7	10	17
50120403	HOSTLERS	2	5	7
50120405	LOCOMOTIVE ENGINEERS	7	12	19
50120600	LOCOMOTIVE ENGINEER HELPERS	6	1	5
50120800	SWITCHBOARD OPS, GENERATING PLANT	3	16	19
50121001	INSTALLERS, REPAIRERS, SEC MAINTS	20	27	47
50121003	STATION INSTALLERS	1	1	2
50121004	TELEGRAPH EQUIPMT MAINTAINERS	0	0	0
50121007	CABLE REPAIRERS	1	2	3
50121008	CABLE INSTALLERS	1	3	4
50121009	FRAME WIRERS	0	1	1
50121010	CENTRAL OFFICE REPAIRERS	10	11	1
50121011	TROUBLE LOCATORS, TEST DESK	4	3	1
50121012	TELEGRAPH PLANT MAINTAINERS	0	0	0

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
50121013	SHOP REPAIRERS, INSTRUMENT	0	0	0
50121014	TELETYPE INSTALLERS	0	0	0
50140201	FOOD SHAPERS, HAND	0	1	1
50140202	BAKERS	5	28	33
50140205	CAKE DECORATORS	2	5	7
50140400	CABINETMAKERS	5	48	53
50140600	CARPET CUTTERS, CARPET LAYERS	11	14	25
50140801	CRANE, DERRICK, & HOIST OPERATORS	20	47	67
50140802	LOADER ENGINEERS	0	0	0
50140803	YARDER ENGINEERS	0	0	0
50141000	MERCHANDISERS & WIND TRMRS	7	13	20
50141200	DENTAL LAB TECHNICIANS	24	27	51
50141400	FURNITURE FINISHERS	4	18	22
50141801	GLASS INSTALLERS	4	2	6
50141802	GLAZIERS	11	11	22
50142001	LOG INSPECTORS, GRADERS, SCALERS	1	7	8
50142002	LUMBER GRADERS	1	7	8
50142003	VENEER GRADERS	1	9	10
50142004	SORTER OPERATORS, GREEN LUMBER	0	0	0
50142202	INSPECTORS	110	365	475
50142205	TESTERS	27	151	178
50142401	JEWELERS &/OR SILVERSMITHS	4	20	24
50142402	WATCHMAKERS	1	12	13
50142410	STONE SETTERS	0	1	1
50142603	MILLERS	0	3	3
50142800	MOTION PICTURE PROJECTIONISTS	5	18	23
50143001	LENS GRINDERS	2	2	4
50143002	OPTICIANS, DISP &/OR OPTIC MECHS	19	16	35
50143400	SHIPFITTERS	1-	13	12
50143601	SHOE DYERS	1	2	3
50143602	SHOE REPAIRERS	1	7	8
50143603	COBBLERS	0	2	2
50144002	CONTROL ROOM OPERATORS, STEAM	3-	8	5
50144004	AUXILIARY EQUIPMENT OPERATORS	6-	16	10
50144005	GAS COMPRESSOR OPERATORS	0	0	0
50144013	SEWAGE PLANT OPERATORS	15-	35	20
50144014	STATIONARY ENGINEERS	9	32	41
50144015	TURBINE OPERATORS	1	2	3
50144019	PUMP STAT OPERATORS, WATERWORKS	1	4	5
50144021	WASTE TREATMENT PLANT OPS, CHEM	0	0	0
50144024	STATION ENGINEERS, MAIN LINE	0	0	0
50144025	WATER TREATMENT PLANT OPERATORS	5	19	24
50144026	SHIP ENGINEERS	1	6	7
50144202	CONTOUR GRINDERS	0	0	0
50144204	STONE CUTTERS, HAND	0	1	1
50144401	ALTERATION TAILORS	14	76	90
50144402	CUSTOM TAILORS	1	4	5
50144403	ALL-AROUND TAILORS	0	0	0
50144405	SAMPLE MAKERS	0	1	1
50144601	FURNITURE UPHOLSTERERS	2	6	8

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
50144602	CUSHION MAKERS	0	1	1
50144603	SPRINGERS	0	3	3
50144604	UPHOLSTERY TRIMMERS	0	1	1
50144605	UPHOLSTERERS	0	17	17
50144606	UPHOLSTERY CUTTERS	0	4	4
50144607	CASKET COVERERS/CASKET LINERS	0	1	1
50144608	MATTRESS MAKERS	0	2	2
50144801	PIPELINERS	0	0	0
50144803	CONDUIT MECHANICS	0	0	0
50144805	GLASS BLOWERS	0	0	0
50144806	HARNESS MAKERS	0	0	0
50144807	LEATHER STAMPERS, HAND	0	0	0
50144808	MACHINE SETTERS, WOODWORKING	1	7	8
50144811	INSTRUCTORS, LEATHER/FOOTWR MACH	0	1	1
50144812	SHIP RIGGERS	0	0	0
50144815	INSTRUCTORS, APPAREL & TEXT MACH	0	1	1
50144817	ARTIFICIAL APPLIANCE MAKERS	0	0	0
50144819	MACHINE SETTERS, PAPER GOODS	0	4	4
50144821	MAINTENANCE REPAIRERS, GEN UTIL	215	576	791
50144822	FORMING MACH MAINTAINERS, GLASS	0	0	0
50144825	MOBILE HOME REPAIRERS	1	3	4
50144826	MUSICAL INSTRUMENTS REPAIRERS	3	6	9
50144827	CORROSION CONTROL FITTERS	1	4	5
50144828	CRATERS	0	0	0
50144899	ALL OTHER SKILLED CRAFT WORKERS	103	326	429

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
TOTAL - OPERATIVES EXCEPT TRANSPORTATION		1,193	6,086	7,279
61020201	DRILL PRESS/BORING MACHINE OPS	20	127	147
61020401	TAPPERS,METAL	0	0	0
61020404	CASTERS,FINISHED OR SEMIFIN PROD	1	2	3
61020405	CASTERS,INGOTS & PIGS	0	1	1
61020406	CENTRIFUGAL-CASTING MACH OPS	0	0	0
61020430	STEEL POURER HELPERS	0	0	0
61020435	POURERS,METAL	7	17	24
61020436	FURNACE OPERATORS,CUPOLA TENDERS	3	8	11
61020438	FURNACE CHARGERS	1	2	3
61020439	HEATING PIT CHARGERS	0	0	0
61020601	GRINDING/ABRADING MACH. OPS., ME	39	118	157
61020800	HEATERS,METAL	2	2	4
61021001	VENEER LATHE OPERATORS	0	1	1
61021002	GLASS-BLOWING LATHE OPERATORS	0	0	0
61021004	LATHE OPERATORS,GRINDING WHEELS	0	0	0
61021005	LATHE OPERATORS,WOOD	0	2	2
61021006	LATHE MACH OPERATORS,METAL	18	135	153
61021007	MILLING/PLANING MACHINE OPERATRS	17	53	70
61021009	SHAPER &/OR ROUTER OPERATORS	1	5	6
61021011	GEAR CUT,GRIND,SHAPE MACH OPS	6	19	25
61021201	ELECTROPLATERS	8	20	28
61021202	DIP PLATERS,NONELECTROLYTIC	2	4	6
61021401	BORING MACHINE OPERATORS,WOOD	0	2	2
61021402	MACHINE TOOL OPERATORS,COMBO	57	127	184
61021403	MACHINE TOOL OPERATORS,NUM CONT	56	64	120
61021404	WOOD MACHINISTS	2	7	9
61021405	MACHINE TOOL OPERATORS,TOOL ROOM	13	30	43
61021604	POWER PRESS TENDERS	1	3	4
61021609	PUNCH PRESS OPERATORS,METAL	26	171	197
61021610	PUNCH PRESS OPERATORS,PLASTICS	0	1	1
61021611	POWER BRAKE,BENDING MACH OPS,MET	12	38	50
61022002	WELDERS & FLAMECUTTERS	53	261	314
61040201	CARD GRINDERS	0	0	0
61040202	CARD TENDRS,COMBER TENDRS,ETC	0	3	3
61040203	DRAWING FRAME & GILL BOX TENDERS	0	0	0
61040206	PICKER TENDERS	0	0	0
61040208	DRAWERS-IN,HAND	0	0	0
61040403	KNITTING MACHINE OPERATORS	5	7	2
61040407	SEAMLESS HOSIERY KNITTERS	3	6	9
61040604	BOBBIN WINDERS,MACH/SEWING MACH	0	0	0
61040608	DRESSER TENDERS	0	0	0
61040611	SPEEDER TENDERS	0	0	0
61040612	SPINNERS,FRAME	0	0	0
61040615	TWISTER TENDERS	0	0	0
61040617	WINDER OPERATORS,AUTOMATIC	0	1	1
61040618	YARN WINDERS	0	0	0
61040621	ROPE LAYING MACHINE OPERATORS	0	0	0
61040622	BEAMERS,HAND OR MACHINE	0	1	1

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61040801	NEEDLE-FELT MAKING MACH OPS,ETC	0	2	2
61040804	WEAVERS	0	1	1
61041004	BOARDING MACH OPERATORS,HOSIERY	1	1	2
61041006	BURLERS	0	1	1
61041007	CALENDERING MACH OPS,KNIT GDS	0	1	1
61041011	CLOTH PRINTERS	0	0	0
61041015	HARNESS BUILDERS,LOOM CHNGRS,ETC	0	0	0
61041020	PATTERNMAKERS	0	1	1
61041025	TENTER FRAME OPERATORS	0	0	0
61041027	TURNERS	0	1	1
61041028	FOLDERS,HAND	0	2	2
61041030	DRIER OPERATORS,TEXTILES & RUGS	0	0	0
61060209	SELECTORS,GLASSWARE	2	5	7
61060401	GRADERS,FOOD &/OR SKINS	0	6	6
61060402	BOBBIN SORTERS	0	0	0
61060404	SORTERS,BURNED PRODUCTS	0	0	0
61060405	SORTERS,LEATHER	1	4	3
61060406	SORTERS,UPHOLSTERY PARTS	0	1	1
61060802	PRODUCTION PACKAGERS	64	534	598
61060803	BUNDLERS	1	2	3
61060804	BAGGERS	1	76	75
61060807	WRAPPING MACHINE OPERATORS	1	9	10
61060809	BALING MACHINE OPERATORS	1	7	8
61080200	ASBESTOS & INSULATION WORKERS	9	7	16
61080401	MOBILE HOME SET-UP OPERATORS	1	2	3
61080406	CASE MAKERS	0	0	0
61080409	PLASTIC TOP INSTALLERS	0	1	1
61080410	POWER SCREWDRIVER OPERATORS	5	13	18
61080413	SPRING MACHINE OPERATORS	0	2	2
61080415	WIRERS,ELECTRONIC	5	15	20
61080416	COIL FINISHERS	4	18	22
61080418	CORE LAYERS/SHEET TURNERS	0	1	1
61080419	ASSEMBLERS	88	330	418
61080433	CLOCK,WATCH ASSEMBLERS--B	10	10	20
61080436	MACHINE ASSEMBLERS	104	336	440
61080437	INSTRUMENT MAKERS/ASSEMBLERS	5	7	12
61080438	ELEC MECH EQUIPMT ASSEMBLERS	8	80	88
61080439	ELEC & ELECT ASSEMBLERS	32	190	222
61080440	ALL OTHER ASSEMBLERS	24	344	320
61080601	BLASTERS,MINING & QUARRYING	0	0	0
61080602	BLASTERS,CONSTRUCTION	0	1	1
61081000	SURVEYOR HELPERS	7	16	23
61081201	PRESSERS,HAND	1	6	7
61081202	PRESSERS,MACHINE	15	37	52
61081203	PRESSERS,MACHINE,LAUNDRY	25	61	86
61081208	SHAPERS & PRESSERS	0	1	1
61081401	BIAS MACHINE OPERATORS	1	1	2
61081403	CUTTERS,MACHINE	2	21	23
61081404	WOOD CARVING MACHINE OPERATORS	0	1	1
61081407	AUTOMATIC CLIPPERS,VENEER	1	6	7

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OFS MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61081409	CORNER CUTTERS	0	1	1
61081410	CORRUGATOR-KNIFE OPERATORS	0	1	1
61081412	CUT-OFF MACHINE OPERATORS,TUBING	0	1	1
61081417	CUTTERS,PORTABLE MACHINE	0	5	5
61081424	DIE CUTTERS,CLICKING MACH OPS	5	21	16
61081425	GLASS CUT-OFF MACHINE OPERATORS	1	2	3
61081426	GLASS CUTTERS,MACHINE	0	1	1
61081430	MORTISING MACHINE OPERATORS	0	1	1
61081431	PATTERN CUTTERS	0	0	0
61081434	RIP & GROOVE MACHINE OPERATORS	0	0	0
61081435	RUBBER GDS CUTTER-FINISHER OPS	2	4	6
61081437	SECOND CUTTERS,HAND	0	1	1
61081442	SLITTER-CREASER-SLOTTER OPERATRS	0	2	2
61081443	SLITTER-SCORER-CUT-OFF OPERATORS	0	2	2
61081445	SLITTING MACHINE OPERATORS	3	12	15
61081446	SPLITTERS	0	0	0
61081452	TENONER OPERATORS	0	4	4
61081458	TRIMMERS,PLASTICS	2	4	6
61081459	SHEAR &/OR SLITTER OPERATORS,MET	9	34	13
61081461	VENEER JOINTER OPERATORS	1	3	4
61081462	CUTTING MACHINE OPERATORS,FOOD	0	10	10
61081463	CUTTERS,HAND	0	3	3
61081464	PLANER OPERATORS	0	2	2
61081602	CUSTOM SEWERS	4	9	13
61081803	DRILLERS,HAND	0	1	1
61081804	DRILLERS,MACHINE	1	3	4
61082001	DRY WALL APPLICATORS	10	10	20
61082002	LATHERS	2	2	0
61082003	TAPERS	5	5	10
61082205	DYE REEL OPS,JIGGRS,PAD MACH OPS	0	0	0
61082207	DYE TUB OPS,RANDOM DYERS,ETC	0	0	0
61082401	FILERS,GRINDERS,BUFFERS,CHIPPERS	31	166	197
61082402	SANDBLASTERS/SHOTBLASTERS	10	33	43
61082403	DIE POLISHERS,WIRE &/OR TUBES	0	1	1
61082405	GL GRINDERS/WATCH CRYSTAL EDGE GRNR	0	0	0
61082406	HAND EDGERS/BELT SEAMERS	0	0	0
61082408	POLISHERS,GLASS &/OR BLOCKERS	0	1	1
61082410	SANDERS,WOOD	1	20	21
61082411	SAW FILERS	1	3	4
61082413	STONE POLISHERS	1	2	3
61082415	VENEER SANDERS	0	1	1
61082603	MARINE SERVICE STAT ATTENDANTS	0	0	0
61082604	TRAILER RENTAL ATTENDANTS	2	2	4
61082605	FUEL PUMP ATTENDANTS,LUBRICATORS	5	101	96
61082606	TIRE CHANGERS	12	18	30
61082607	TIRE REPAIRERS	0	0	0
61082801	MARKERS,CLASSIFIERS,ASSEMBLERS	4	22	26
61082802	SPOTTERS,DRYCLEANING	2	6	8
61082803	SPOTTERS,WASHABLE MATERIALS	3	5	8
61082804	WASHERS,MACH &/OR STARCHERS	30	101	131

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61082805	TUMBLER OPERATORS	1	4	5
61082806	DRYCLEANING MACHINE OPERATORS	12	19	31
61082807	DRYCLEANERS, HAND	1	4	5
61082809	LAUNDRY OPERATORS, SM ESTABLISH	5	20	25
61082811	FUR GLAZING & POLISHING MACH OPS	0	0	0
61082812	RUG CLEANERS, HAND	0	1	1
61082813	RUG CLEANERS, MACHINE	4	11	15
61082818	FOLDERS, LAUNDRY	6	16	22
61082820	WASHERS, SYNTHETIC FIBERS	0	0	0
61083201	BONERS, MEAT	0	9	9
61083202	BONERS, POULTRY	0	5	5
61083204	BUTCHERS, ALL-AROUND	0	12	12
61083205	CARCASS SPLITTERS	0	2	2
61083610	COAL WASHERS	0	0	0
61083618	DRIER OPERATORS, COAL OR ORE	0	1	1
61083620	GAGERS	0	0	0
61083622	LOADING MACHINE OPERATORS	1	1	2
61083627	ROCK SPLITTERS, QUARRY	1	1	2
61083643	PANELBO OPERATORS, GRIND MILL OPS	0	1	1
61083646	MILL &/OR GRINDER OPS, MINERALS	1	2	3
61083802	REAGENT OPERATORS	0	0	0
61083805	ASPHALT MIXERING MACH TENDERS	0	0	0
61083806	ASPHALT-PLANT OPERATORS	1	2	3
61083817	COATING MIXER TENDERS	1	6	7
61083818	COMPOUNDERS	0	0	0
61083831	MIXER OPERATORS, HOT METAL	0	0	0
61083840	SEASONING MIXERS	0	0	0
61083852	TINTERS	0	2	2
61083854	MIXERS, STONE, CLAY, GLASS, ETC	1	3	4
61083855	MIXERS/BLENDEPS, CHEMICALS	4	24	28
61083856	MIXERS, FOOD & TOBACCO	3	41	38
61083857	MIXERS, ORE & METALS	0	0	0
61084000	OILERS	5	25	30
61084201	PAINTERS, AUTOMOTIVE	12	14	26
61084202	DECORATORS, HAND	0	1	1
61084208	RUBBERS	0	1	1
61084210	PAINTERS, PRODUCTION	1	83	82
61084211	PAINTERS, AIRCRAFT	0	0	0
61084400	OTHER PHOTO PROCESS WORKERS	44	66	110
61084602	NAILING MACHINE OPERATORS	3	16	19
61084603	STAPLERS, MATTRESS & BEDSPRING	0	0	0
61084604	STAPLING MACHINE OPERATORS	0	2	2
61084605	RIVETERS, HEAVY	0	0	0
61084606	RIVETERS, LIGHT	1	12	13
61084801	BOATSWAINS	0	2	2
61084802	ABLE SEAMEN	1	6	7
61084803	ORDINARY SEAMEN	1	5	6
61085001	BAND SCROLL SAW OPERATORS	1	3	4
61085003	CUT-OFF SAW OPERATORS, LUMBER	3	23	26
61085004	CUT-OFF SAWYERS, LOG	0	0	0

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61085005	EDGERS, AUTOMATIC &/OR PONY	1	6	7
61085006	GANG SAWYERS	0	0	0
61085007	SAWYERS, TAIL	0	0	0
61085008	HEAD SAWYERS	1	7	8
61085011	RESAWYERS	1	4	5
61085012	RIPSAW OPERATORS	2	14	16
61085013	SAWYERS, METAL	7	26	33
61085014	SAWYERS, STONE	1	2	3
61085015	SAWYERS, PLASTICS	0	1	1
61085017	TRIM SAW OPERATORS	1	7	8
61085018	VARIETY SAW OPERATORS	1	5	6
61085204	MENDERS	6	9	15
61085205	SEWING MACH OPS, REG EQMT, NONGAR	11-	75	64
61085206	BAG SEWERS	0	0	0
61085208	CAP MAKERS	0	0	0
61085212	GARMENT REPAIRERS	0	1	1
61085213	HAND SEWERS	0	8	8
61085214	MENDERS, CLOTH	0	3	3
61085215	SEWING MACH OPS, SPEC EQMT, NONGAR	3-	28	25
61085217	SHOE PARTS SEWERS, HAND	0	2	2
61085219	SEWING MACH OPS, SPEC EQMT, GAR	5-	28	23
61085220	SEWING MACH OPS, REG EQMT, GARMENT	26-	100	74
61085401	ASSEMBLERS FOR PULLER-OVER	0	1	1
61085402	BED LASTERS	0	1	1
61085403	BOTTOM FILLERS	0	1	1
61085404	BUFFERS, SHOE PARTS	0	2	2
61085405	CEMENTERS, MACHINE JOINER	0	2	2
61085407	PERFORATOR OPERATORS	0	1	1
61085409	FOLDERS, MACHINE	0	1	1
61085410	HEEL ATTACHERS	0	1	1
61085412	HEEL BUILDERS, HAND OR MACHINE	0	0	0
61085413	HEEL-SEAT LASTERS, MACHINE	0	1	1
61085415	HEEL-SEAT FITTERS, MACHINE	0	0	0
61085416	INKERS, HAND OR MACHINE	0	2	2
61085419	LASTING MACHINE OPERATORS	0	0	0
61085421	PULLERS-OVER	0	1	1
61085422	REPAIRERS, SHOE FINISH	0	3	3
61085423	ROUGH ROUNDERS, MACHINE	0	1	1
61085424	SEAM RUBBING MACHINE OPERATORS	0	1	1
61085428	SOLE LEVELERS, MACHINE	0	1	1
61085430	STITCHERS, SPECIAL MACHINE	0	2	2
61085431	STITCHERS, STANDARD MACHINE	7-	16	9
61085432	STITCHERS, UTILITY	1-	4	3
61085433	THERMALASTING MACHINE OPERATORS	0	1	1
61085439	TRIMMERS, MACHINE	0	7	7
61085440	VAMP CREASERS	0	1	1
61085441	SPLITTERS, MACHINE	0	1	1
61085442	FASTENERS, MACHINE	0	2	2
61085443	CEMENTERS, PASTERS, BACKERS, ETC	1-	5	4
61085444	MOLDERS, SHOE PARTS	0	0	0

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61085445	PULLING & LASTING MACH OPERATORS	0	1	1
61085602	STATIONARY BOILER FIRERS	12	63	75
61085614	KILN OPERATORS,LUMBER	0	1	1
61085618	FIRERS,MARINE	0	2	2
61085619	FURNACE,KILN,DRIER OPS	1	2	3
61085801	CONVOLUTE OR SPIRAL TUBE WINDERS	1	3	4
61085804	PAPER REEL OPS,REWINDER OPS	7	34	41
61085808	WINDERS,PAPER MACHINE	2	11	13
61085810	COIL WINDERS	5	31	36
61085811	AUTOMAT SPRING COILING MACH OPS	0	0	0
61086001	PICKLERS,FOOD	0	2	2
61086003	PRESS OPERATORS,MEAT	0	0	0
61086004	PUMPERS,MEAT	0	1	1
61086007	SKIN PEELING MACHINE OPERATORS	0	1	1
61086011	DRY CURERS	0	0	0
61086012	CASING FINISHERS &/OR STUFFERS	2-	28	26
61086019	NOVELTY WORKERS	0	1	1
61086021	FLAVOR ROOM WORKERS,FREEZER OPS	0	1	1
61086024	BUTTERMAKERS	0	1	1
61086026	DAIRY PROCESSING EQMT OPERATORS	2-	28	26
61086029	CHEESEMAKERS	1-	20	19
61086033	MEAT GRINDERS	0	6	6
61086035	COOKS &/OR COOKERS	0	10	10
61086201	DEPOSITORS,FOOD	0	3	3
61086204	RETORT OPERATORS	0	4	4
61086207	WASHERS &/OR SEPARATORS,FOOD	0	6	6
61086213	BLANCHING MACHINE OPERATORS	0	0	0
61086218	FARM EQUIPMENT OPERATORS	0	13	13
61086221	PASTEURIZERS,MARGARINE	0	0	0
61086223	PRESSERS,EXPELLER OPERATORS	0	1	1
61086224	REFINERY OPERATORS	0	1	1
61086227	ROLLING MACHINE OPERATORS	0	0	0
61086230	SUGAR BOILERS	0	0	0
61086236	FEED PELLET MILL OPERATORS	0	1	1
61086241	GRAIN RECEIVERS	0	0	0
61086245	CANDY MAKERS	0	2	2
61086258	DOUGHNUT MAKRS/DOUGHNUT MACH OPS	17	21	38
61086259	DIVIDING MACH OPERATORS,ETC	0	3	3
61086264	LOADERS,MALT HOUSE	0	2	2
61086277	BARLEY STEEPERS,MALT HOUSE OPS	0	2	2
61086283	COOLING MACHINE OPERATORS	0	0	0
61086292	OVEN OPERATORS	0	3	3
61086295	DRIER OPERATORS	0	6	6
61086607	BLENDING MACHINE OPERATORS	0	0	0
61086608	COATING MACHINE OPERATORS	1-	2	1
61086609	CLOTH TRIMMERS,MACHINE,ETC	0	1	1
61086612	SPREADERS	0	2	2
61086613	ENDING MACHINE OPERATORS	0	2	2
61086614	FUSING MACHINE OPERATORS	0	0	0
61086617	EYELET MACHINE OPERATORS	0	1	1

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DFS MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61086618	FOLDING MACHINE OPERATORS	0	0	0
61086803	TREATING ENGINEERS	0	0	0
61086804	VENEER DRIERS	1	3	4
61086805	VENEER REPAIRERS, MACHINE	0	0	0
61086806	HOT PLATE PLYWOOD PRESS OPS	0	1	1
61086807	EDGE GLUERS	1	4	5
61086808	POWER BARKER OPERATORS	1	5	6
61086809	DOWEL MACHINE OPERATORS	0	1	1
61086812	DADO OPERATORS	0	0	0
61086814	HYDRAULIC PRESS OPERATORS, VENEER	0	1	1
61086815	GLUING MACHINE OPERATORS	1	3	4
61086817	CORE FEEDERS	0	1	1
61086818	WOODWORKING MACHINE OPERATORS	4	17	21
61086819	LAMINATING MACH OPERATORS, FURN	0	1	1
61087005	PULP REFINER OPERATORS	0	2	2
61087006	PULPERS	1	8	9
61087007	RECOVERY OPERATORS, PAPERMAKING	0	1	1
61087008	SUPERCALENDER OPERATORS	1	9	10
61087009	WET MACHINE TENDERS	1	5	6
61087011	EVAPORATOR OPERATORS, PAPERMAKING	0	2	2
61087012	WOOD GRINDER OPERATORS	0	3	3
61087014	FOURDRINIER MACHINE TENDERS	3	18	21
61087015	BACK TENDERS	3	18	21
61087018	BEATERS	2	12	14
61087019	BEATER ENGINEERS	1	8	9
61087020	BLEACHER OPERATORS, PULP	0	2	2
61087021	DIGESTER OPERATORS	0	2	2
61087022	CYLINDER MACHINE TENDERS	0	1	1
61087023	COATER OPERATORS, OFF-MACHINE	1	9	10
61087027	LAYBOY TENDERS	2	8	10
61087028	ENVELOPE FINISHING MACHINE OPS	0	2	2
61087030	PANEL/PATCH/SEALING MACHINE OPS	0	0	0
61087032	PRINTER-SLOTTER OPERATORS	1	5	6
61087035	SCORERS	0	0	0
61087038	TAPING MACHINE OPERATORS	1	4	5
61087041	WAXING MACHINE OPERATORS	0	2	2
61087043	FLEXO-FOLDER-GLUER OPERATORS	1	4	5
61087045	ENVELOPE MACHINE OPERATORS	1	4	5
61087047	FOUR-CORNERS-STAYER MACH OPS	0	0	0
61087048	FOLDING MACHINE OPERATORS, PAPER	2	14	16
61087050	FOLDING MACHINE FEEDERS	0	0	0
61087051	BAG MACHINE OPERATORS	3	17	20
61087054	BOX MAKERS, PAPERBOARD	1	3	4
61087056	CUTTING & CREASING PRESS OPS	1	4	5
61087059	CARTON-FORMING MACH OPERATORS	0	2	2
61087060	CORRUGATOR OPERATORS	0	2	2
61087061	COMBINER OPERATORS	1	6	7
61087063	SCRAPPERS/STRIPPERS	1	4	5
61087064	BROWN STOCK WASHERS, BLOW PIT OPS	0	2	2
61087065	FOURTH/FIFTH HANDS, PAPER MACHINE	4	23	27

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61087070	SLOTTER OPERATORS	0	1	1
61087213	CALCINER OPERATORS	0	0	0
61087254	EVAPORATOR OPERATORS, CHEMICAL	0	0	0
61087257	KETTLE OPERATORS, ADHESIVE	0	1	1
61087279	STERILIZERS	0	0	0
61087283	AMPULE FILL, SEAL, WASH OPERATORS	0	1	1
61087284	COMPRESSORS, TABLET	0	0	0
61087285	COATERS, PILL	0	0	0
61087287	STILL OPERATORS, BATCH OR CONTIN	0	0	0
61087288	CHEMICAL OPERATOR HELPERS	0	5	5
61087290	CHEMICAL OPERATORS A	2	8	10
61087291	CHEMICAL OPERATORS B	1	5	6
61087294	DRIER OPERATORS, CHEM, PLAST, RUBBER	0	1	1
61087295	CHIEF OPERATORS	0	1	1
61087408	ASPHALT-PLANT DRIER OPERATORS	0	0	0
61087409	CONTROL PANEL OPERATORS, PETROL	0	1	1
61087603	RUBBER MILL OPERATORS	3	4	7
61087606	REFINER OPERATORS, RUBBER	0	0	0
61087607	ROLLER BUILDERS, RUBBER	1	1	2
61087608	HEAT SEALERS	4	5	9
61087609	RUBBER GRINDER-FINISHER OPERATORS	0	1	1
61087611	SPLICERS	0	0	0
61087613	TIRE BAGGING MACHINE TENDERS	0	0	0
61087614	TIRE BUILDERS	5	7	12
61087615	SPLICERS, RUBBER PRODUCTS	0	0	0
61087617	WATCHCASE VULCANIZER TENDERS	0	0	0
61087618	PRESS TENDERS, RUBBER GOODS	6	8	14
61087621	BRAIDING MACH TENDERS	0	1	1
61087623	EXTRUDER OPS, RUBBER OR PLASTICS	10	22	32
61087624	EXTRUDER OP HELPERS, RUB OR PLAS	8	17	25
61087625	BAND BUILDERS	0	0	0
61087626	BEAD FORMING MACH OPERATORS	0	0	0
61087627	BEAD FLIPPERS	0	0	0
61087628	BELT BUILDERS	0	0	0
61087631	BLOW MOLDING MACHINE OPERATORS	6	8	14
61087633	CALENDAR OPS, RUBBER OR PLASTICS	1	1	2
61087634	CALENDAR OPERATOR HELPERS	0	1	1
61087635	ROTATION MOLDING MACH OPERATORS	2	3	5
61087637	VACUUM PLASTIC FORMING MACH OPS	5	7	12
61087639	FINISHERS, MACHINE	2	3	5
61087640	PILLING MACHINE OPERATORS	0	0	0
61087645	COMPR &/OR INJECT MOLD MA OPS, PL	54	89	143
61087802	BELT MAKERS, APPAREL	0	0	0
61087803	LIMERS	0	0	0
61087804	TANNING-LIQUOR MAKERS	0	0	0
61087805	MEASURING MACHINE OPS, LEATHER	0	1	1
61087807	HANDBAG FRAMERS	0	0	0
61087809	STAKERS, MACHINE	0	1	1
61087810	TANNING DRUM OPS/COLORERS, HIDES	1	2	1
61087811	WRINGER MACHINE OPERATORS	0	1	1

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OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61087813	GLUE SPREADING MACH OPS,LUGGAGE	0	0	0
61087814	GLOVE TURNERS & FORMERS	0	1	1
61087815	BUFFERS,HIDES OR SKINS	0	1	1
61087817	BURNISHERS	0	0	0
61088011	GLAZIERS,STAINED GLASS/JOINERS	0	0	0
61088012	FORMING MACH OPERATORS,GL CONT	0	1	1
61088023	SPRAY MACHINE OPERATORS	0	1	1
61088026	PRESS OPERATORS	0	0	0
61088035	CAGE MAKERS,HAND OR MACHINE	0	1	1
61088038	BLOCKMAKING MACHINE OPERATORS	1	2	3
61088040	CONCRETE STONE FABRICATORS	1	2	3
61088048	SAND BLASTERS,STONE	0	0	0
61088049	SCREENER OPERATORS	0	0	0
61088058	BRICK & TILE MAKING MACH OPS	0	0	0
61088062	CALENDER MACH OPERATORS	0	1	1
61088070	CONCRETE VAULT MAKERS	0	1	1
61088072	FLOOR WORKERS,GLASS	0	0	0
61088205	OPERATORS,DOOR MACHINE	0	0	0
61088208	PUMP OPERATORS,BY-PRODUCTS	0	0	0
61088218	HEATERS,COKE PRODUCTION	0	0	0
61088229	COILERS,WINDERS,&/OR SPOOLERS	0	1	1
61088236	POT TENDERS	0	0	0
61088248	DUST OPS/ORE CRUSHING DUST COLLS	0	0	0
61088260	STRANDING MACHINE OPERATORS	1	2	3
61088261	STRETCHER-LEVELER OPERATORS	0	0	0
61088267	DRAW-BENCH OPERATORS,TUBE DRAWRS	0	1	1
61088274	COREMAKERS,MACHINE	3	8	11
61088276	EXTRUSION PRESS OPS,HOT BILLETS	0	0	0
61088282	PICKLERS,CONTINUOUS PICKLING LINE	0	0	0
61088286	ROLL FORMING MACH OPERATORS	2	3	5
61088287	DIE-CASTING MACH OPS,SETTERS	3	24	27
61088288	IMPREGNATORS,ELECTRONIC	0	2	2
61088289	COIL TAPERS,HAND OR MACHINE	1	3	4
61088291	MULTI-SLIDE MACHINE OPERATORS	2	4	6
61088292	BODYMAKER OPERATORS,TIN CAN	0	2	2
61088293	WIRE WEAVERS	1	2	3
61088401	SCREEN/STENCIL PRINTERS/SETTERS	3	13	16
61088402	SCREEN MAKERS,PHOTOGRAPHIC PROC	1	2	3
61088403	COREMAKERS,HAND,BENCH,FLOOR	1	7	6
61088404	EMBOSS,STAMP,MARK MACHINE OPS	0	5	5
61088405	FILTER/FILTER PRESS OPERATORS	0	1	1
61088407	GRINDER OPERATORS	3	6	9
61088408	CHIPPERS	1	4	5
61088410	SKIVERS	0	3	3
61088412	VULCANIZERS,FOOTWEAR	0	0	0
61088415	LAMINATORS,PREFORMS	4	8	12
61088416	PRESS OPERATORS,PLASTICS	10	13	23
61088417	TUBE MOLDERS,FIBERGLASS	0	0	0
61088419	RUBBER MOLD MAKERS	0	0	0
61088423	VULCANIZERS,RUBBER PLATE	1	1	2

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DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61088424	BAGGERS, PLASTICS	1	1	2
61088427	HOSE MAKERS	0	0	0
61088428	ENCAPSULATORS	0	2	2
61088429	BALANCING MACHINE OPERATORS	2	6	8
61088436	LOADING MACHINE OPERATORS	0	0	0
61088441	ULTRASONIC MACHINE OPERATORS	0	0	0
61088443	SOABAR OPERATORS	0	0	0
61088444	PUMP OPERATORS	0	4	4
61088445	PUMP OPERATOR HELPERS	0	0	0
61088614	TIRE FABRICATORS, REPAIRERS	4	11	15
61088615	BOAT PATCHERS, PLASTIC	0	0	0
61088616	INK WORKERS	1	2	3
61088621	PHOTO LETTERING MACHINE OPERATORS	1	2	3
61088625	REFINERY OPERATORS, PETROLEUM	0	0	0
61088628	GRANULATOR MACHINE OPERATORS	0	0	0
61088801	GLUERS &/OR CEMENTERS, HAND	0	4	4
61088803	BENCH HANDS, JEWELRY	0	0	0
61088808	PIPE & TANK LINERS	0	0	0
61088810	CASTERS, PATTERY & PORCELAIN	0	1	1
61088813	MOLD CLOSERS, CORE SET	2	6	8
61088814	CONCRETE PIPE MAKERS	2	4	6
61088815	DECAL APPLIERS	0	0	0
61088817	FABRICATORS, PLASTICS	4	6	10
61088818	FINISHERS, HAND	6	11	17
61088834	PLATER HELPERS	6	18	24
61088835	POT LINERS	0	0	0
61088841	SHAPERS, HAND	0	1	1
61088846	TRANSFER CONTROLLERS, SAW MILL	0	0	0
61088849	WAX PATTERN WORKERS	1	9	10
61088850	WIRE DRAWERS	0	1	1
61088851	PIPE STRIPPERS	0	1	1
61088852	LAYOUT MARKERS, WOOD	0	1	1
61088853	VENEER REPAIRERS, HAND	1	5	6
61088854	CORE ASSEMBLERS, PASTERS, FINISHERS	2	8	10
61089002	CURERS, RUBBER GOODS	1	1	2
61089003	BAKER HELPERS	0	12	12
61089007	CHEESEMAKER HELPERS	5-	55	50
61089008	CHICKEN CUTTERS	0	4	4
61089009	COOLER ROOM WORKERS, MEAT	0	3	3
61089012	DECORATORS, BAKERY PRODUCTS	0	1	1
61089013	DEHAIRING MACHINE OPERATORS	0	0	0
61089014	SCREEN CUTTERS/MARKERS, NONPHOTO	1	2	3
61089015	DIE MOUNTERS	0	2	2
61089016	DIGESTER OPERATOR HELPERS	0	3	3
61089017	DRAPERS	0	0	0
61089023	FLOOR WORKERS, FOOTWEAR	0	2	2
61089029	INGREDIENT SCALERS	0	1	1
61089031	LEATHER WORKERS	0	1	1
61089032	LUGGAGE MAKERS	0	0	0
61089040	POULTRY DRESSERS, EVISCERATORS	2-	36	34

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
61089042	PRINTER-SLOTTER FEEDERS	1	3	4
61089044	PLASTICS REPAIRERS	1	2	3
61089048	SEASONERS, MACHINE	0	1	1
61089052	EXTRACTOR OPERATORS, EXT PL OPS	0	2	2
61089058	SKINNERS, ANIMAL	0	3	3
61089060	SMOKERS	0	2	2
61089061	SPLITTING MACHINE FEEDERS	0	2	2
61089062	SPOT CLEANERS	0	0	0
61089063	SPRAYERS, HAND &/OR MACHINE	1	2	1
61089064	STAINERS	0	0	0
61089065	STICKERS	0	0	0
61089067	REFINERY OPERATOR HELPERS, PETROL	0	0	0
61089069	STUNNERS	0	0	0
61089070	TACKERS, TOGGERS, & PASTERS	2	4	2
61089071	THREAD TRIMMERS	0	0	0
61089072	TIRE FINISHERS	0	1	1
61089078	CASTERS, PLASTICS	0	0	0
61089082	FINISHERS, POTTERY & PORCELAIN	1	4	5
61089085	ENROBING MACH OPS/MACHINE ICERS	0	0	0
61089087	FLAMERS	0	1	1
61089088	LASTERS, HAND	0	0	0
61089089	SIDE LASTERS	0	1	1
61089090	TOE LASTERS	0	1	1
61089091	PURIFICATION OPERATORS, ETC	0	0	0
61089092	MARKERS	0	1	1
61089095	PRESS ASSISTANTS & FEEDERS	17	36	53
61089096	COPY MARKERS	1	1	2
61089097	MAILERS	11	28	39
61089203	BILLPOSTERS	0	1	1
61089204	EXTERMINATORS	4	6	10
61089221	DRAPERY & UPHOLSTERY MEASURERS	1	2	3

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - TRANSPORTATION EQUIPMENT OPERATORS	747	1,863	2,610
62000401	BUS DRIVERS	23	95	118
62000402	BUS DRIVERS, SCHOOL _____	114	345	459
62000801	DELIVERY & ROUTE WORKERS	220	433	653
62000802	FURNITURE ASSEMBLERS & INSTALLERS	3	4	7
62001001	INDUSTRIAL TRUCK OPERATORS	76	194	270
62001002	CARRIER DRIVERS	0	0	0
62001003	LOG HANDLING EQUIPMENT OPERATORS	2	4	6
62001400	PARKING LOT ATTENDANTS	6	16	22
62001600	RAILROAD BRAKE OPERATORS	13	14	27
62001800	TOWER OPERATORS	0	1	1
62002001	AMBULANCE DRIVERS/AMB ATTENDANTS	5	19	24
62002004	TAXI DRIVERS	3	19	22
62002005	DRIVERS, ASSEMBLY LINE	0	4	4
62002006	RENTAL CAR DELIVERY WORKERS	1	2	3
62002007	CHAUFFEURS	4	8	12
62002201	TRUCK DRIVERS	277	704	981
62002205	BOOKMOBILE DRIVERS	0	1	1

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - OTHER OPERATIVES	243	1,064	1,307
63000000	ALL OTHER OPS & SEMISKILLED WKRS	243	1,064	1,307

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984 - 1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - SERVICE WORKERS	5,352	15,987	21,339
70020600	JANITORS, PORTERS, & CLEANERS	815	3,862	4,677
70040200	BAKERS, BREAD &/OR PASTRY	24	75	99
70040400	BARTENDERS	500	1,580	2,080
70040600	DINING RM ATTNS, BAR HELPERS, ETC	148	85	233
70040802	COOKS, SHORT ORDER/SPEC FAST FD	67	334	401
70040803	COOKS, RESTAURANT	174	468	642
70040804	COOKS, INSTITUTIONAL	82	406	488
70041400	BUTCHERS &/OR MEAT CUTTERS	33	144	177
70041601	HOSTS/HOSTESSES, REST, LNGE, COF SH	52	111	163
70041602	WAITERS OR WAITRESSES	478	1,710	2,188
70041802	KITCHEN HELPERS	375	1,145	1,520
70041804	FD PREP & SERV WKRS, FAST FD REST	545	909	1,454
70041805	PANTRY, SANDWICH, &/OR COFF MAKERS	27	70	97
70041898	COUNTER ATTNS, LUNCHRM, COF SH.	29	52	81
70041899	ALL OTHER FOOD SERVICE WORKERS	122	468	590
70060400	OCCUPATIONAL THERAPY AIDES	7	15	22
70061010	NURSES AIDES/ORDERLIES	713	1,615	2,328
70061011	PSYCHIATRIC AIDES	25	48	73
70061012	ORTHOPEDIC CAST SPECIALISTS	1	2	3
70061013	MEDICAL ASSISTANTS	50	108	158
70080200	FLIGHT ATTENDANTS	0	0	0
70080401	RECREATION FACILITY ATTENDANTS	29	88	117
70080402	GAME OPS, RIDE OPS, CONCESS WKRS	2	4	6
70080403	PIN CHASERS	11	19	30
70080407	LIFEGUARDS	19	49	68
70080602	MORTUARY BEAUTICIANS	1	1	2
70080603	COSTUMERS	0	0	0
70080607	FUNERAL ATTENDANTS	3	8	11
70080608	GUIDES, TRAVEL	0	4	4
70080609	MASSEURS OR MASSEUSES	1	2	3
70080611	INSTRUCTORS, REDUCING	9	27	36
70080616	HOUSEKEEPERS, HOTEL & MOTEL	29	77	106
70080618	CHECKROOM & LOCKER RM ATTNS	7	18	25
70080619	GUIDES, SIGHTSEEING OR ESTABLHMT	3	6	9
70080801	BELLHOPS, BAG PORTERS, DRKPRS, ETC	1	4	5
70080803	BAGGAGE HANDLERS	1	3	4
70081000	BARBERS	32	69	101
70081400	BOOTBLACKS	0	0	0
70081601	CHILD CARE ATTENDANTS	18	48	66
70081602	CHILD CARE WORKERS	67	193	260
70081800	ELEVATOR OPERATORS	1	3	4
70082001	COSMETOLOGISTS/WM'S HAIRSTYLISTS	162	313	475
70082003	MANICURISTS	1	2	3
70082005	WIG DRESSERS	1	1	2
70082200	STEWARDS, SHIP	0	0	0
70082800	USHERS, LOBBY ATTNS, TICKET TAKERS	23	30	53
70083000	WELFARE SERVICE AIDES	37	64	101
70100202	CROSSING OR BRIDGE TENDERS	2	13	15

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984 - 1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
70100203	SCHOOL CROSSING GUARDS	11	86	97
70100401	FIRE FIGHTERS	35	63	98
70100402	FIRE INSPECTORS	1	1	2
70100403	FIRE OFFICERS	8	15	23
70100601	GUARDS & DOORKEEPERS	222	876	1,098
70100602	CHECKERS, FITTING ROOM	1	5	6
70100606	FISH & GAME WARDENS	1	12	13
70100607	CORRECTION OFFICERS &/OR JAILERS	57	179	236
70100800	U.S. MARSHALLS	0	1	1
70101001	DETECTIVES, PRIVATE	3	4	7
70101002	STORE DETECTIVES	8	4	12
70101003	RAILROAD POLICE	0	0	0
70101004	POLICE OFFICERS	13	24	37
70101005	POLICE DETECTIVES	12	17	29
70101006	POLICE PATROLMEN/WOMEN	65	113	178
70101007	PARKING ENFORCEMENT OFFICERS	2	2	4
70101201	SHERIFFS	4	11	7
70101202	BAILIFFS	1	4	5
70120200	CHILD CARE WKRS, PVT HSHLD	12	32	44
70120400	COOKS, PVT HSHLD	1	3	4
70120600	HOUSEKEEPERS, PVT HSHLD	3	13	16
70120800	LAUNDERERS, PVT HSHLD	0	0	0
70121001	MAIDS, SERVANTS, PVT HSHLD	14	61	75
70200001	SUPERVISORS, NONWORKING, SERVICE	54	108	162
70200099	ALL OTHER SERVICE WORKERS	105	100	205

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
TOTAL - LABORERS AND UNSKILLED WORKERS		913	2,988	3,901
80000200	ANIMAL CARETAKERS	40	100	140
80000601	AIR HAMMER OPERATORS	1	3	4
80000603	FORM SETTERS,METAL ROAD FORM	1	3	4
80000607	FENCE ERECTORS	2	3	5
80000608	GROUND WORKERS, UTILITIES	2	7	9
80000609	PIPELAYERS	7	16	23
80000610	REINFORCING-IRON WORKERS	5	10	15
80000611	TRENCH SEWER SHAPERS	0	0	0
80000612	SEWER TAPPERS	0	0	0
80000628	HIGHWAY MAINTENANCE WORKERS	36	100	136
80000629	ASPHALT RAKERS	2	4	6
80001005	CHAIN OFFBEARERS,LUMBER	2	9	11
80001006	KILN TRANSFER OPERATORS	0	0	0
80001007	LOADERS,CAR & TRUCK	1	3	4
80001008	LUMBER STRAIGHTENERS	1	3	4
80001009	OFF-BEARERS	3	14	17
80001012	SAMPLERS &/OR TEST PREPARERS	0	1	1
80001014	KILN STACKER OPERATORS	0	1	1
80001015	TIRE LAYERS & EXTRACTORS	0	0	0
80001016	WEIGHERS,PRODUCTION	0	6	6
80001018	VENEER DRIER FEEDERS	1	2	3
80001019	LOADERS,TANK CARS &/OR TRUCKS	2	2	4
80001020	CONVEYOR OPERATORS OR TENDERS	4	18	22
80001023	WORK DISTRIBUTORS	0	2	2
80001200	GARBAGE COLLECTORS	2	74	76
80001401	GARDENERS & GROUNDSKEEPERS	137	287	424
80001402	TREE TRIMMERS	1	4	5
80001802	CHOKER SETTERS,LUMBER	0	0	0
80001803	DECKER OPERATORS	0	2	2
80001805	FALLERS &/OR BUCKERS	5	27	32
80001806	HEAD LOADERS	0	0	0
80001807	HIGH CLIMBERS	0	0	0
80001809	RIGGING SLINGERS	0	2	2
80001810	SECOND LOADERS	0	0	0
80002001	ORDER FILLERS	74	140	214
80002003	STOCK CLERKS,SALES FLOOR	218	296	514
80002401	CLEANERS,VEHICLE	34	56	90
80002402	POLISHERS,MOLD	0	0	0
80002403	MOLD CLEANERS,TIRE	0	0	0
80002404	EQUIPMENT CLEANERS,HAND	2	30	28
80002801	SAND CUTTERS,MIXERS,SLINGERS	2	8	10
80002804	TRACK LAYERS	0	0	0
80002809	HOSE LOADERS	0	0	0
80002812	SETTERS &/OR DRAWERS	0	0	0
80002813	SHAKEOUT WORKERS,FOUNDRY	4	20	24
80002815	STRIPPERS	1	3	4
80002818	BELT MAKERS,SANDING DRUMS	2	7	9
80002819	FURNACE OP HELPERS/HEATER HELPRS	1	5	6

Table 9

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

DES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
80002821	SCRAP SORTERS	0	1	1
80002822	RIGGERS	3	11	14
80002823	HELPERS, TRADES	104	242	346
80002824	CANNERY WORKERS	2	32	30
80002825	TRUCK DRIVER HELPERS	5	24	29
80002826	SHANK PIECE TACKERS	0	1	1
80002827	LOCKER PLANT ATTENDANTS	1	4	5
80002828	RAW CHEESE WORKERS	2	22	20
80002829	TREERS	0	2	2
80002830	LINE SERVICE ATTENDANTS	2	13	15
80002831	FOREST CONSERVATION WORKERS	2	10	12
80002832	SEPTIC TANK SERVICERS, ETC	3	6	9
80002834	SIGNALLERS	0	1	1
80002899	ALL OTHER LABORERS & UNSKLD WKRS	208	1,351	1,559

AVERAGE ANNUAL OPENINGS
WISCONSIN-STATEWIDE
1984-1995

OES MATRIX CODE	OCCUPATIONAL TITLE	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	OPENINGS PER OCCUPATION
	TOTAL - AGRICULTURAL WORKERS	3	6	9
90020400	FARM MANAGERS	1	3	4
90040200	FARM SUPERVISORS	2	3	5

METHODOLOGY

The Occupational Employment Statistics (OES) Program started in the early 1970's and is comprised of three components: occupational surveys by industry; an industry-occupational matrix; and projections. The projection process is also divided into three segments: industry projections, application of the industry projections to the matrix, and the resulting occupational projections.

The industry projections were released late last fall using the input from a panel of fourteen experts. Since that time the industrial projections have been processed through the matrix program. This program applies the staffing patterns from 379 industries and converts the employment to occupations. This produced occupational employment for the base year (1984) and projected employment for 1995. The current run produced data for 1270 occupations and 232 summary levels of occupations.

This report includes only nonagricultural wage and salary employment, and does not contain self-employed and unpaid family workers. (Many professionals and managers are self-employed, so these occupations tend to be understated.) The data base for this publication is place-of-work (reported by employers), which includes secondary jobs. About five percent of all workers hold a second job, but this is not evenly distributed between groups of occupations. A smaller than average proportion of secondary jobs are held by clerical, craft work and operative groups. Sales and service groups have traditionally had larger than average numbers of secondary jobs and the trend is increasing.

OES survey collection instruments, tailored to each industry's occupational structure, were limited to a maximum of 200 occupations. Total employment in each industry was collected by using appropriate residual categories. Occupations that were forced into residual categories due to the 200-occupation limit per industry were treated similarly in all industries. This method increased the size of the residuals, but was the most accurate way of treating occupations not fully covered by the survey.

"Average Annual Growth" may be of use in comparing projections with the number of workers entering the labor force each year, but it should not be assumed that changes in the labor force occur evenly. Businesses seldom expand or contract at a constant rate. Factors affecting them often cannot be anticipated, and reaction is sporadic. Business cycle fluctuations, beginning or ending of government programs, sudden changes in monetary and fiscal policy, technological breakthroughs and natural disasters are only some of the events that can cause abrupt changes in employment. These projections should be considered indicative of trends, and business cycles within the trends may move trends backward or forward by several years.

SOURCES

1. Employment Projections for 1995, March 1984, Bulletin 2197, U.S. Department of Labor, Bureau of Labor Statistics.
2. Estimating Occupational Separations From the Labor Force For States, Tomorrow's Manpower Needs, Supplement 4, U.S. Department of Labor, Bureau of Labor Statistics.
3. The National Industry-Occupational Matrix and Other Manpower Data, Tomorrow's Manpower Needs, Volume IV, revised 1971, Bulletin 1637, February 1969, U.S. Department of Labor, Bureau of Labor Statistics.
4. 1985 U.S. Industrial Outlook Prospects For Over 350 Industries, U.S. Department of Commerce.
5. Occupational Projections and Training Data, 1984 Edition, May 1984, Bulletin 2206, U.S. Department of Labor, Bureau of Labor Statistics.
6. Projections of the Economy, Labor Force, Industrial and Occupational Change to 1995, Monthly Labor Review, November 1985, Volume 108, Number 11, U.S. Department of Labor, Bureau of Labor Statistics.
7. Projections of the U.S. Labor Force, GNP, Industrial Growth, and Occupations to 1995, Monthly Labor Review, November 1983, Volume 106, Number 11, U.S. Department of Labor, Bureau of Labor Statistics.
8. Wisconsin Labor Force 1954 thru 1985, Average Annual Employment in Thousands, March 1986, DILHR, Employment and Training Policy Division, Labor Market Information Bureau.

ALPHABETIZED OCCUPATIONAL INDEX

The occupational title list is in alphabetical order. The number following the title is the matrix code also referred to as the index number. These numbers are specific to each occupation. The tables in the body of the publication are organized in numerical order by these numbers. These numbers are also included in the tables. Group titles are not included in this list.

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

ABLE SEAMEN
ACCOUNTANTS & AUDITORS
ACCOUNTING CLERKS
ACTORS OR ACTRESSES
ACTUARIAL CLERKS
ACTUARIES
ADDRESSING MACHINE OPERATORS
ADJUSTMENT CLERKS
ADMISSIONS EVALUATORS
AERONAUTICAL ENGINEERS
AGRICULTURAL ENGINEERS
AGRICULTURAL SCIENTISTS
AIR HAMMER OPERATORS
AIR TRAFFIC CONTROLLERS
AIRCRAFT MECHANICS
AIRPLANE PILOTS
ALL OTHER ASSEMBLERS
ALL OTHER BINDERY WORKERS
ALL OTHER ENGINEERS
ALL OTHER FOOD SERVICE WORKERS
ALL OTHER LABORERS & UNSKLD WKRS
ALL OTHER MANAGERS
ALL OTHER MATH SCIENTISTS
ALL OTHER MECHANICS & REPAIRERS
ALL OTHER MED & DENT TECHNICIANS
ALL OTHER OFFICE CLERICAL WKRS
ALL OTHER OFFICE MACHINE OPS
ALL OTHER PLANT CLERICAL WKRS
ALL OTHER PROFESSIONAL WORKERS
ALL OTHER SALES WORKERS
ALL OTHER SCIENCE TECHNICIANS
ALL OTHER SERVICE WORKERS
ALL OTHER SKILLED CRAFT WORKERS
ALL OTHER SOCIAL SCIENTISTS
ALL OTHER TEACHERS
ALL OTHER TECHNICIANS
ALL OTHER THERAPISTS
ALL OTHR ENGINEERING TECHNICIANS
ALL-AROUND TAILORS
ALTERATION TAILORS
AMBULANCE DRIVERS/AMB ATTENDANTS
AMPULE FILL, SEAL, WASH OPERATORS
ANIMAL CARETAKERS
ANNOUNCERS
APPRAISERS
APPRAISERS, REAL ESTATE
ARCHITECTS
ARCHIVISTS
ARTIFICIAL APPLIANCE MAKERS
ASBESTOS & INSULATION WORKERS

61084802
10240201
40060601
10220200
40065204
10060200
40041402
40062208
40062603
10020200
10022005
10040200
80000601
10140400
50080400
10140200
61080440
50100208
10022099
70041899
80002899
20061699
10060403
50083299
10121099
40066898
40041406
40066899
10243899
30001899
10081899
70200099
50144899
10181200
10206099
10141404
10101810
10081898
50144403
50144401
62002001
61087283
80000200
10222201
10243807
10243816
10240400
10240601
50144817
61080200

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

ASPHALT MIXERING MACH TENDERS
ASPHALT RAKERS
ASPHALT-PLANT DRIER OPERATORS
ASPHALT-PLANT OPERATORS
ASSEMBLERS
ASSEMBLERS FOR PULLER-OVER
ASSESSORS
ASSOC. PROFESSORS
ASST. PRINCIPALS
ASST. PROFESSORS
ATHLETES
ATHLETIC COACHES
ATHLETIC TRAINERS
AUDIO VISUAL SPECIALISTS
AUDIOMETRISTS
AUTO BODY REPAIRERS
AUTO REPAIR SERVICE ESTIMATORS
AUTO SEAT COVER, TOP INSTALLERS
AUTOMAT SPRING COILING MACH OPS
AUTOMATIC CLIPPERS, VENEER
AUTOMOTIVE MECHANICS
AUXILIARY EQUIPMENT OPERATORS
BACK TENDERS
BAG MACHINE OPERATORS
BAG SEWERS
BAGGAGE HANDLERS
BAGGERS
BAGGERS, PLASTICS
BAILIFFS
BAKER HELPERS
BAKERS
BAKERS, BREAD &/OR PASTRY
BALANCING MACHINE OPERATORS
BALING MACHINE OPERATORS
BALLAST CLEAN MACH OPERATORS, ETC
BAND BUILDERS
BAND SCROLL SAW OPERATORS
BARBERS
BARLEY STEEPERS, MALT HOUSE OPS
BARTENDERS
BATCH PLANT OPERATORS
BEAD FLIPPERS
BEAD FORMING MACH OPERATORS
BEAMERS, HAND OR MACHINE
BEATER ENGINEERS
BEATERS
BED LASTERS
BELLHOPS, BAG PORTERS, DRKPRS, ETC
BELT BUILDERS
BELT MAKERS, APPAREL

61083805
80000629
61087408
61083806
61080419
61085401
10243817
10202006
20041602
10202007
10220401
10202009
10220405
10242402
10101807
50080800
50081003
50080600
61085811
61081407
50081001
50144004
61087015
61087051
61085206
70080803
61060804
61088424
70101202
61089003
50140202
70040200
61088429
61060809
50021810
61087625
61085001
70081000
61086277
70040400
50021809
61087627
61087626
61040622
61087019
61087018
61085402
70080801
61087628
61087802

OCCUPATION TITLES FOR WISCONSIN

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

BELT MAKERS, SANDING DRUMS
BENCH HANDS, JEWELRY
BIAS MACHINE OPERATORS
BICYCLE REPAIRERS
BILLPOSTERS
BINDERY WORKERS, ASSEMBLY
BINDERY WORKERS, STITCHING
BIO & AGRICULTURE
BIOCHEMISTRY TECHNOLOGISTS
BIOLOGICAL SCIENTISTS
BLACKSMITHS
BLANCHING MACHINE OPERATORS
BLASTERS, CONSTRUCTION
BLASTERS, MINING & QUARRYING
BLDG INSPECTORS, FIRE INSURANCE
BLEACHER OPERATORS, PULP
BLENDING MACHINE OPERATORS
BLOCKMAKING MACHINE OPERATORS
BLOOD BANK SPECIALISTS
BLOW MOLDING MACHINE OPERATORS
BOARDING MACH OPERATORS, HOSIERY
BOAT PATCHERS, PLASTIC
BOATSWAINS
BOBBIN SORTERS
BOBBIN WINDERS, MACH/SEWING MACH
BODYMAKER OPERATORS, TIN CAN
BOILERMAKERS
BONERS, MEAT
BONERS, POULTRY
BOOKBINDERS, HAND
BOOKBINDERS, MACHINE
BOOKKEEPERS, HAND
BOOKKEEPING/BILLING MACH OPS
BOOKMOBILE DRIVERS
BOOTBLACKS
BORING MACHINE OPERATORS, WOOD
BOTTOM FILLERS
BOX ESTIMATORS
BOX MAKERS, PAPERBOARD
BRAIDING MACH TENDERS
BRICK & TILE MAKING MACH OPS
BRICKLAYERS
BROADCAST NEWS ANALYSTS
BROADCAST TECHNICIANS
BROKER & MARKET OPERATORS, COMMOD
BROKER'S FL REPS, SEC TRADRS, ETC
BROKERAGE CLERKS
BROWN STOCK WASHERS, BLOW PIT OPS
BUDGET ANALYSTS
BUFFERS, HIDES OR SKINS

80002818
61088803
61081401
50083202
61089203
50100206
50100207
10081897
10120202
10040601
50060200
61086213
61080602
61080601
10243823
61087020
61086607
61088038
10120207
61087631
61041004
61088615
61084801
61060402
61040604
61088292
50060400
61083201
61083202
50100204
50100205
40060603
40040201
62002205
70081400
61021401
61085403
40062222
61087054
61087621
61088058
50020601
10222202
10080808
30001601
10243819
40065205
61087064
10240202
61087815

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

BUFFERS, SHOE PARTS
BUNDLERS
BURLERS
BURNISHERS
BUS DRIVERS
BUS DRIVERS, SCHOOL
BUSINESS BROKERS
BUTCHERS &/OR MEAT CUTTERS
BUTCHERS, ALL-AROUND
BUTTERMAKERS
BUYERS, RETAIL &/OR WHOLSL TRADE
CABINETMAKERS
CABLE INSTALLERS
CABLE REPAIRERS
CABLE SPLICERS
CAGE MAKERS, HAND OR MACHINE
CAKE DECORATORS
CALCINER OPERATORS
CALENDAR OPERATOR HELPERS
CALENDER MACH OPERATORS
CALENDER OPS, RUBBER OR PLASTICS
CALENDERING MACH OPS, KNIT GDS
CALL-OUT OPERATORS
CAMERA OPERATORS, PRINTING
CAMERA REPAIRERS
CAMP DIRECTORS
CANCELLATION CLERKS
CANDY MAKERS
CANNERY WORKERS
CAP MAKERS
CAPTAINS, WATER VESSEL
CAR RENTAL CLERKS
CAR REPAIRERS
CARCASS SPLITTERS
CARD GRINDERS
CARD TENDERS, COMBER TENDERS, ETC
CARPENTERS
CARPET CUTTERS, CARPET LAYERS
CARRIER DRIVERS
CARTON-FORMING MACH OPERATORS
CASE MAKERS
CASEWORKERS
CASHIERS
CASING FINISHERS &/OR STUFFERS
CASKET COVERERS/CASKET LINERS
CASTERS, FINISHED OR SEMIFIN PROD
CASTERS, INGOTS & PIGS
CASTERS, PATTERN & PORCELAIN
CASTERS, PLASTICS
CEILING TILE INSTALLERS, FLR LAYRS

61085404
61060803
61041006
61087817
62000401
62000402
30001401
70041400
61083204
61086024
10240804
50140400
50121008
50121007
50120201
61088035
50140205
61087213
61087634
61088062
61087633
61041007
40066804
50101002
50083203
10243206
40066805
61086245
80002824
61085208
20060801
40061601
50082803
61083205
61040201
61040202
50020201
50140600
62001002
61087059
61080406
10243401
40060800
61086012
50144607
61020404
61020405
61088810
61089078
50024002

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

CEMENT MASONS
CEMENTERS, MACHINE JOINER
CEMENTERS, PASTERS, BACKERS, ETC
CENTRAL OFFICE OPERATORS
CENTRAL OFFICE REPAIRERS
CENTRIFUGAL-CASTING MACH OPS
CHAIN OFFBEARERS, LUMBER
CHAUFFEURS
CHECKERS, FITTING ROOM
CHECKING CLERKS
CHECKROOM & LOCKER RM ATTN
CHEESEMAKER HELPERS
CHEESEMAKERS
CHEMICAL ENGINEERS
CHEMICAL OPERATOR HELPERS
CHEMICAL OPERATORS A
CHEMICAL OPERATORS B
CHEMISTS
CHICKEN CUTTERS
CHIEF EXECUTIVES, LEGIS.
CHIEF OPERATORS
CHILD CARE ATTENDANTS
CHILD CARE WKRS, PVT HSHLD
CHILD CARE WORKERS
CHIPPERS
CHIROPRACTORS
CHOKER SETTERS, LUMBER
CIRCULATION CLERKS
CIVIL ENGINEERING TECHNICIANS
CIVIL ENGINEERS
CLAIM ADJUSTERS
CLAIM EXAMINERS, INSURANCE
CLAIM EXAMINERS, PRPTY/CSLT INS
CLAIMS CLERKS
CLASSIFIED AD CLERKS, NEWSPAPER
CLEANERS, VEHICLE
CLERGY
CLERICAL SUPERVISORS
CLOCK, WATCH ASSEMBLERS--B
CLOTH PRINTERS
CLOTH TRIMMERS, MACHINE, ETC
COACHES, PROFESSIONAL ATHLETES
COAL WASHERS
COATER OPERATORS, OFF-MACHINE
COATERS, PILL
COATING MACHINE OPERATORS
COATING MIXER TENDERS
COBBLERS
COIL FINISHERS
COIL TAPERS, HAND OR MACHINE

MATRIX CODE

50021201
61085405
61085443
40066202
50121010
61020406
80001005
62002007
70100602
40062209
70080618
61089007
61086029
10020400
61087288
61087290
61087291
10040800
61089008
20041000
61087295
70081601
70120200
70081602
61088408
10100200
80001802
40061605
10081816
10020600
40062803
40062801
10243822
40062210
40061606
80002401
10241000
40061200
61080433
61041011
61086609
10220402
61083610
61087023
61087285
61086608
61083817
50143603
61080416
61088289

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

COIL WINDERS
COILERS, WINDERS, &/OR SPOOLERS
COIN MACH OPS/CURRENCY SORTERS
COIN MACHINE SERVICERS, REPAIRERS
COLLECTORS
COLORISTS TEXTILES
COMBINER OPERATORS
COMMERCIAL ARTISTS
COMMUNITY ORGANIZATION WORKERS
COMPOSITORS &/OR TYPESETTERS
COMPOUNDERS
COMPR &/OR INJECT MOLD MA OPS, PL
COMPRESSORS, TABLET
COMPUTER OPERATORS
COMPUTER PROGRAMMERS
CONCRETE MIXER OPERATORS
CONCRETE PIPE MAKERS
CONCRETE RUBBERS
CONCRETE STONE FABRICATORS
CONCRETE VAULT MAKERS
CONCRETE WALL GRINDER OPERATORS
CONDUIT MECHANICS
CONSTRUCTION INSPECTORS
CONTOUR GRINDERS
CONTRACT ADMINISTRATORS
CONTRIBUTION SOLICITORS
CONTROL PANEL OPERATORS, PETROL
CONTROL ROOM OPERATORS, STEAM
CONVEYOR OPERATORS OR TENDERS
CONVOLUTE OR SPIRAL TUBE WINDERS
COOKS &/OR COOKERS
COOKS, PVT HSHLD
COOKS, INSTITUTIONAL
COOKS, RESTAURANT
COOKS, SHORT ORDER/SPEC FAST FD
COOLER ROOM WORKERS, MEAT
COOLING MACHINE OPERATORS
COPY MARKERS
CORE ASSEMBLERS, PASTERS, FINISHRS
CORE FEEDERS
CORE LAYERS/SHEET TURNERS
COREMAKERS, HAND, BENCH, FLOOR
COREMAKERS, MACHINE
CORNER CUTTERS
CORRECTION OFFICERS &/OR JAILERS
CORRECTIVE THERAPISTS
CORRESPONDENCE CLERKS
CORROSION CONTROL FITTERS
CORRUGATOR OPERATORS
CORRUGATOR-KNIFE OPERATORS

MATRIX CODE

61085810
61088229
40066803
50083215
40061400
10081811
61087061
10221601
10243405
50100400
61083818
61087645
61087284
40040601
10160200
50021802
61088814
50021203
61088040
61088070
50021202
50144803
20040400
50144202
10243825
30001804
61087409
50144002
80001020
61085801
61086035
70120400
70040804
70040803
70040802
61089009
61086283
61089096
61088854
61086817
61080418
61088403
61088274
61081409
70100607
40066807
50144827
61087060
61081410

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

COSMETOLOGISTS/WM'S HAIRSTYLISTS
COST ESTIMATORS
COSTUMERS
COUNTER ATTNs, LUNCHRM, COF SH.
COUNTER CLERKS
COUNTER CLERKS, TELEGRAPH OFFICE
COUNTY AGRIC. SPECIALISTS
COURT CLERKS
CRANE, DERRICK, & HOIST OPERATORS
CRATERS
CRATING & MOVING ESTIMATORS
CREDIT ANALYSTS
CREDIT ANALYSTS, CHIEF
CREDIT AUTHORIZERS
CREDIT CLERKS, BANK & OR INSURANCE
CREDIT REFERENCE CLERKS
CREDIT REPORTERS
CREW SCHEDULERS
CROSSING OR BRIDGE TENDERS
CURERS, RUBBER GOODS
CURRICULUM SPECIALISTS
CUSHION MAKERS
CUSTOM SEWERS
CUSTOM TAILORS
CUSTOMER SERV REPS, PRINT & PUBL
CUT-OFF MACHINE OPERATORS, TUBING
CUT-OFF SAW OPERATORS, LUMBER
CUT-OFF SAWYERS, LOG
CUTTERS, HAND
CUTTERS, MACHINE
CUTTERS, PORTABLE MACHINE
CUTTING & CREASING PRESS OPS
CUTTING MACHINE OPERATORS, FOOD
CYLINDER MACHINE TENDERS
CYTOTECHNOLOGISTS
DADO OPERATORS
DAIRY PROCESSING EQMT OPERATORS
DANCE INSTRUCTORS
DANCERS
DATA PROCESSING MACH MECHANICS
DECAL APPLIERS
DECKER OPERATORS
DECORATORS, BAKERY PRODUCTS
DECORATORS, HAND
DEHAIRING MACHINE OPERATORS
DELIVERY & ROUTE WORKERS
DEMONSTRATORS
DENTAL ASSISTANTS
DENTAL HYGIENISTS
DENTAL LAB TECHNICIANS

70082001
10243808
70080603
70041898
40061602
40061609
10241400
40065216
50140801
50144828
30001805
10243810
10243809
40062201
40066841
40062202
40062211
40065202
70100202
61089002
10243801
50144602
61081602
50144402
40062216
61081412
61085003
61085004
61081463
61081403
61081417
61087056
61081462
61087022
10120204
61086812
61086026
10206001
10220800
50081400
61088815
80001803
61089012
61084202
61089013
62000801
30001897
10120401
10120402
50141200

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

DENTISTS
DEPOSITORS, FOOD
DESIGNERS
DESK CLERKS
DESK CLERKS, BOWLING FLOOR
DETECTIVES, PRIVATE
DIE CUTTERS, CLICKING MACH OPS
DIE MOUNTERS
DIE POLISHERS, WIRE & OR TUBES
DIE SETTERS
DIE SINKERS
DIE-CASTING MACH OPS, SETTERS
DIESEL MECHANICS
DIETETIC TECHNICIANS
DIETITIANS & OR NUTRITIONISTS
DIGESTER OPERATOR HELPERS
DIGESTER OPERATORS
DINING RM ATTNs, BAR HELPERS, ETC
DIP PLATERS, NONELECTROLYTIC
DIRECTORS, REL ACT & OR REL ED
DIRECTORY ASSISTANCE OPERATORS
DISPATCHERS, AIRPLANE
DISPATCHERS, POLICE, FIRE, AMBULNCE
DISPATCHERS, VEHICLE, SERV OR WK
DIVIDEND CLERKS
DIVIDING MACH OPERATORS, ETC
DOUGHNUT MAKRS/DOUGHNUT MACH OPS
DOWEL MACHINE OPERATORS
DRAFTERS
DRAPERS
DRAPERY & UPHOLSTERY MEASURERS
DRAPERY HANGERS
DRAW-BENCH OPERATORS, TUBE DRAWRS
DRAWERS-IN, HAND
DRAWING FRAME & GILL BOX TENDERS
DREDGE OPERATORS
DRESSER TENDERS
DRIER OPERATORS
DRIER OPERATORS, CHEM, PLAST, RUBBR
DRIER OPERATORS, COAL OR ORE
DRIER OPERATORS, TEXTILES & RUGS
DRILL PRESS/BORING MACHINE OPS
DRILLERS, HAND
DRILLERS, MACHINE
DRIVERS, ASSEMBLY LINE
DRY CURERS
DRY WALL APPLICATORS
DRYCLEANERS, HAND
DRYCLEANING MACHINE OPERATORS
DUPLICATING MACHINE OPERATORS

10100400
61086201
10221001
40061603
40061608
70101001
61081424
61089015
61082403
50061002
50063003
61088287
50083222
10121011
10100600
61089016
61087021
70040600
61021202
10241200
40066203
40061801
40061803
40061804
40066802
61086259
61086258
61086809
10080601
61089017
61089221
50083201
61088267
61040208
61040203
50021803
61040608
61086295
61087294
61083618
61041030
61020201
61081803
61081804
62002005
61086011
61082001
61082807
61082806
40040800

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

DUST OPS/ORE CRUSHING DUST COLLS
DYE REEL OPS,JIGGRS,PAD MACH OPS
DYE TUB OPS,RANDOM DYERS,ETC
ECONOMISTS
EDGE GLUERS
EDGERS,AUTOMATIC &/OR PONY
EEG TECHNICIANS
EKG TECHNICIANS
ELEC & ELECT ASSEMBLERS
ELEC MECH EQUIPMT ASSEMBLERS
ELECTRIC METER INSTALLERS,ETC
ELECTRIC MOTOR REPAIRERS
ELECTRIC TOOL REPAIRERS
ELECTRIC TRACK SWITCH MAINTAINRS
ELECTRICAL & ELECTRONIC TECHNS
ELECTRICAL ENGINEERS
ELECTRICAL INSTRUMENT REPAIRERS
ELECTRICIANS
ELECTROMEDICAL EQUIPMT REPAIRERS
ELECTRONIC MECHANICS
ELECTROPLATERS
ELECTROTYPERS
ELEVATOR OPERATORS
ELIGIBILITY WORKERS,WELFARE
EMBALMERS
EMBOSS,STAMP,MARK MACHINE OPS
EMERGENCY MEDICAL TECHNICIANS
EMPLOYMENT INTERVIEWERS
ENCAPSULATORS
ENDING MACHINE OPERATORS
ENGINEERING EQUIPMT MECHANICS
ENROBING MACH OPS/MACHINE ICERS
ENVELOPE FINISHING MACHINE OPS
ENVELOPE MACHINE OPERATORS
EQUIPMENT CLEANERS,HAND
ESTIMATORS & DRAFTERS,UTILITIES
ESTIMATORS,PRINTING SERVICES
ETCHERS &/OR ENGRAVERS
EVAPORATOR OPERATORS,CHEMICAL
EVAPORATOR OPERATORS,PAPERMAKING
EXTENSION SERVICE SPECIALISTS
EXTERMINATORS
EXTRACTOR OPERATORS,EXT PL OPS
EXTRUDER OP HELPERS,RUB OR PLAS
EXTRUDER OPS,RUBBER OR PLASTICS
EXTRUSION PRESS OPS,HOT BILLETS
EYELET MACHINE OPERATORS
FABRICATORS,PLASTICS
FALLERS &/OR BUCKERS
FARM EQUIPMENT MECHANICS

MATRIX CODE

61088248
61082205
61082207
10180202
61086807
61085005
10121007
10121006
61080439
61080438
50082002
50083204
50083205
50082801
10080803
10020800
50083206
50021401
50083224
50083227
61021201
50100601
70081800
40061000
10140600
61088404
10121008
10242803
61088428
61086613
50081803
61089085
61087028
61087045
80002404
10080602
10243813
50100803
61087254
61087011
10202004
61089204
61089052
61087624
61087623
61088276
61086617
61088817
80001805
50081600

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

FARM EQUIPMENT OPERATORS
FARM MANAGERS
FARM SUPERVISORS
FASTENERS,MACHINE
FD PREP & SERV WKRS,FAST FD REST
FEED PELLET MILL OPERATORS
FENCE ERECTORS
FILE CLERKS
FILERS,GRINDERS,BUFFERS,CHIPPERS
FILM BOOKERS
FILM EDITORS
FILTER/FILTER PRESS OPERATORS
FINANCIAL ANALYSTS
FINE-GRADERS
FINISHERS,HAND
FINISHERS,MACHINE
FINISHERS,POTTERY & PORCELAIN
FIRE FIGHTERS
FIRE INSPECTORS
FIRE OFFICERS
FIRERS,MARINE
FIRST-LINE RAILROAD SUPERVISORS
FISH & GAME WARDENS
FITTERS, STRUCTURAL METAL
FLAMERS
FLAVOR ROOM WORKERS,FREEZER OPS
FLEXO-FOLDER-GLUER OPERATORS
FLEXOGRAPHIC PRESS OPERATORS
FLIGHT ATTENDANTS
FLOOR SANDING MACHINE OPERATORS
FLOOR WORKERS,FOOTWEAR
FLOOR WORKERS,GLASS
FOLDERS,HAND
FOLDERS,LAUNDRY
FOLDERS,MACHINE
FOLDING MACHINE FEEDERS
FOLDING MACHINE OPERATORS
FOLDING MACHINE OPERATORS,PAPER
FOOD SHAPERS,HAND
FOREIGN REPORTERS
FOREST CONSERVATION WORKERS
FORESTERS & CONSERV SCIENTISTS
FORGING PRESS OPERATORS
FORGING/STRAIGHTENING ROLL OPS
FORM SETTERS,METAL ROAD FORM
FORM TAMPER OPERATORS,ETC
FORMING MACH MAINTAINERS,GLASS
FORMING MACH OPERATORS,GL CONT
FOUR-CORNERS-STAYER MACH OPS
FOURDRINIER MACHINE TENDERS

MATRIX CODE

61086218
90020400
90040200
61085442
70041804
61086236
80000607
40062601
61082401
40066833
10221202
61088405
10180201
50021805
61088818
61087639
61089082
70100401
70100402
70100403
61089618
20061200
70100606
50023902
61089087
61086021
61087043
50101205
70080200
50022000
61089023
61088072
61041028
61082818
61085409
61087050
61086618
61087048
50140201
40066810
80002831
10241600
50060802
50062403
80000603
50021806
50144822
61088012
61087047
61087014

REPORT NO. 01

OCCUPATION TITLES FOR WISCONSIN

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

FOURTH/FIFTH HANDS, PAPER MACHINE
FRAME WIRERS
FREIGHT HANDLERS
FUEL PUMP ATTENDANTS, LUBRICATORS
FUNERAL ATTENDANTS
FUR GLAZING & POLISHING MACH OPS
FURNACE CHARGERS
FURNACE OP HELPERS/HEATER HELPERS
FURNACE OPERATORS, CUPOLA TENDERS
FURNACE, KILN, DRIER OPS
FURNITURE ASSEMBLERS & INSTALLERS
FURNITURE FINISHERS
FURNITURE UPHOLSTERERS
FURRIERS
FUSING MACHINE OPERATORS
GAGERS
GAME OPS, RIDE OPS, CONCESS WKRS
GANG SAWYERS
GARBAGE COLLECTORS
GARDENERS & GROUNDSKEEPERS
GARMENT REPAIRERS
GAS & ELEC APPLIANCE REPAIRERS
GAS COMPRESSOR OPERATORS
GAS DISPATCHERS
GAS METER INSTALLERS
GASOLINE ENGINE, MOWER REPAIRERS
GEAR CUT, GRIND, SHAPE MACH OPS
GENERAL CLERKS, OFFICE
GEOLOGISTS & GEOPHYSICISTS
GL GRINDERS/WATCH CRYSTAL EDGE GRNR
GLASS BLOWERS
GLASS CUT-OFF MACHINE OPERATORS
GLASS CUTTERS, MACHINE
GLASS INSTALLERS
GLASS-BLOWING LATHE OPERATORS
GLAZIERS
GLAZIERS, STAINED GLASS/JOINERS
GLOVE TURNERS & FORMERS
GLUE SPREADING MACH OPS, LUGGAGE
GLUERS &/OR CEMENTERS, HAND
GLUING MACHINE OPERATORS
GRADERS, FOOD &/OR SKINS
GRADUATE ASSISTANTS
GRAIN RECEIVERS
GRANULATOR MACHINE OPERATORS
GRAVURE PRESS OPERATORS
GRINDER OPERATORS
GRINDING/ABRADING MACH. OPS., ME
GROUND WORKERS, UTILITIES
GROUP RECREATION WORKERS

MATRIX CODE

61087C55
50121009
40063401
61082605
70080607
61082811
61020438
80002819
61020436
61085619
62000802
50141400
50144601
10221003
61086614
61083620
70080402
61085006
80001200
30001401
61085212
50082005
50144005
40065201
50082004
50083207
61021011
40066811
10041000
61082405
50144805
61081425
61081426
50141801
61021002
50141802
61088011
61087814
61087813
61088801
61086815
61060401
10202003
61083241
61088628
50101206
61088407
61020601
80000608
10243201

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

GUARDS & DOORKEEPERS
GUIDES, SIGHTSEEING OR ESTABLHMT
GUIDES, TRAVEL
GUNSMITHS
HAMMERSMITHS, OPEN DIE
HAND EDGERS/BELT SEAMERS
HAND SEWERS
HARBAG FRAMERS
HARNES BUILDERS, LOOM CHNGRS, ETC
HARNES MAKERS
HEAD LOADERS
HEAD SAWYERS
HEADER OPERATORS
HEALTH RECORD TECHNOLOGISTS
HEAT SEALERS
HEAT TREATERS, ANNEALERS, ETC
HEATERS, COKE PRODUCTION
HEATERS, METAL
HEATING PIT CHARGERS
HEAVY EQUIPMENT OPERATORS
HEEL ATTACHERS
HEEL BUILDERS, HAND OR MACHINE
HEEL-SEAT FITTERS, MACHINE
HEEL-SEAT LASTERS, MACHINE
HELPERS, TRADES
HIGH CLIMBERS
HIGHWAY MAINTENANCE WORKERS
HISTOLOGIC TECHNOLOGISTS
HOME ECONOMISTS
HOSE LOADERS
HOSE MAKERS
HOSTLERS
HOSTS/HOSTESSES, REST, LNGE, COF SH
HOT PLATE PLYWOOD PRESS OPS
HOUSEHOLD APPLIANCE INSTALLERS
HOUSEKEEPERS, FVT HSHLD
HOUSEKEEPERS, HOTEL & MOTEL
HYDRAULIC PRESS OPERATORS, VENEER
HYDROELECTRIC MACHINE MECHS, ETC
IMPREGNATORS, ELECTRONIC
IN-FILE OPERATORS
INDUSTRIAL ENGINEERING TECHNS
INDUSTRIAL ENGINEERS
INDUSTRIAL TRUCK OPERATORS
INFORMATION CLERKS
INGREDIENT SCALERS
INHALATION THERAPISTS
INK WORKERS
INKERS, HAND OR MACHINE
INSERTING/LABELING MACH OPS

MATRIX CODE

70100601
70080619
70080608
50083208
50060803
61082406
61085213
61087807
61041015
50144806
80001806
61085008
50060804
10120600
61087608
50060600
61088218
61020800
61020439
50021807
61085410
61085412
61085415
61085413
80002823
80001807
80000628
10120205
10243892
80002809
61088427
50120403
70041601
61086806
50082007
70120600
70080616
61086814
50081804
61088288
40066812
10081000
10021000
62001001
40064801
61089029
10101809
61088616
61085416
40041404

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

INSPECTORS	50142202
INSTALLERS, REPAIRERS, SEC MAINTS	50121001
INSTRUCTORS, APPAREL & TEXT MACH	50144815
INSTRUCTORS, AUTO DRIVING	10206002
INSTRUCTORS, CORRESP. SCH.	10206003
INSTRUCTORS, LEATHER/FOOTWR MACH	50144811
INSTRUCTORS, REDUCING	70080611
INSTRUMENT FITTERS	50023204
INSTRUMENT MAKERS/ASSEMBLERS	61080437
INSTRUMENT REPAIRERS	50083221
INSURANCE CHECKERS	40065217
INSURANCE CLERKS	40066845
INSURANCE CLERKS, MEDICAL	40066846
INVESTIGATORS, INSURANCE	10243815
JANITORS, PORTERS, & CLEANERS	70020600
JEWELERS &/OR SILVERSMITHS	50142401
JUDGES	10242001
KETTLE OPERATORS, ADHESIVE	61087257
KEYPUNCH OPERATORS	40041000
KILN OPERATORS, LUMBER	61085614
KILN STACKER OPERATORS	80001014
KILN TRANSFER OPERATORS	80001006
KITCHEN HELPERS	70041802
KNITTING MACHINE FIXERS	50081811
KNITTING MACHINE OPERATORS	61040403
L OTHER OPS & SEMISKILLED WKRS	63000000
LAMINATING MACH OPERATORS, FURN	61086819
LAMINATORS, PREFORMS	61088415
LASTERS, HAND	61089088
LASTING MACHINE OPERATORS	61085419
LATHE MACH OPERATORS, METAL	61021006
LATHE OPERATORS, GRINDING WHEELS	61021004
LATHE OPERATORS, WOOD	61021005
LATHERS	61082002
LAUNDERERS, PVT HSHLD	70120800
LAUNDRY MACHINE MECHANICS	50083211
LAUNDRY OPERATORS, SM ESTABLHMT	61082809
LAW CLERKS	10242201
LAWYERS	10242202
LAYBOY TENDERS	61087027
LAYOUT MARKERS, METAL	50061202
LAYOUT MARKERS, WOOD	61088852
LEATHER STAMPERS, HAND	50144807
LEATHER WORKERS	61089031
LECTURERS	10202008
LENS GRINDERS	50143001
LETTER PRESS OPERATORS	50101207
LETTERSET PRESS OPERATORS	50101208
LIBRARIANS	10242401
LIBRARY ASSISTANTS	40063000

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

LICENSE CLERKS	40066848
LICENSED PRACTICAL NURSES	10121010
LIFE&PHYSICAL SCIENTISTS, NEC	10041600
LIFEGUARDS	70080407
LIGHT TECHNICIANS	10081815
LIMERS	61087803
LINE INSTALLERS, REPAIRERS	50120202
LINE SERVICE ATTENDANTS	80002830
LOADER ENGINEERS	50140802
LOADERS, CAR & TRUCK	80001007
LOADERS, MALT HOUSE	61086264
LOADERS, TANK CARS &/OR TRUCKS	80001019
LOADING MACHINE OPERATORS	61083622
LOADING MACHINE OPERATORS	61088436
LOAN CLOSERS	40066801
LOCKER PLANT ATTENDANTS	80002827
LOCKSMITHS	50083212
LOCOMOTIVE ENGINEER HELPERS	50120600
LOCOMOTIVE ENGINEERS	50120405
LOG HANDLING EQUIPMENT OPERATORS	62001003
LOG INSPECTORS, GRADERS, SCALERS	50142001
LOGGING TRACTOR OPERATORS	50021000
LOOM FIXERS	50082200
LUGGAGE MAKERS	61089032
LUMBER GRADERS	50142002
LUMBER STRAIGHTENERS	80001008
MACHINE ASSEMBLERS	61080436
MACHINE SETTERS, PAPER GOODS	50144819
MACHINE SETTERS, WOODWORKING	50144808
MACHINE TOOL OPERATORS, COMBO	61021402
MACHINE TOOL OPERATORS, NUM CONT	61021403
MACHINE TOOL OPERATORS, TOOL ROOM	61021405
MACHINE TOOL SETTERS, METALWRKING	50061003
MACHINISTS	50061206
MAGISTRATES	10242002
MAIDS, SERVANTS, PVT HSHLD	70121001
MAIL CLERKS	40063402
MAILERS	61089097
MAINTENANCE MECHANICS	50081807
MAINTENANCE REPAIRERS, GEN UTIL	50144821
MANAGERS, AUTO PARTS DEPT	20061614
MANAGERS, AUTO SERVICE DEPT	20061613
MANAGERS, REST'RANT, COFFEE SH, ETC	20061400
MANAGERS, STORE	20061612
MANICURISTS	70082003
MANIFEST CLERKS	40065003
MANUAL ARTS, MUSIC, REC THERAPISTS	10101802
MARGIN CLERKS	40065208
MARINE MECHANICS/REPAIRERS	50081806
MARINE SERVICE STAT ATTENDANTS	61082603

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MARKERS
MARKERS, CLASSIFIERS, ASSEMBLERS
MARKET RESEARCH ANALYSTS
MARKING CLERKS TRADE
MASSEURS OR MASSEUSES
MATHEMATICAL TECHNICIANS
MATHEMATICIANS
MATTRESS MAKERS
MEASURING MACHINE OPS, LEATHER
MEAT GRINDERS
MECHAN ENGINEERING TECHNICIANS
MECHANICAL ENGINEERS
MED & DENTAL TECHNOLS & TECHNS
MEDIA ANALYSTS
MEDIA BUYERS
MEDIA CLERKS/ESTIMATORS/BILLERS
MEDICAL ASSISTANTS
MEDICAL LAB ASSISTANTS
MEDICAL LAB TECHNOLOGISTS
MEDICAL SCIENTISTS
MENDERS
MENDERS, CLOTH
MERCHAN DISPLAYERS & WIND TRMRS
MESSENGERS
MESSENGERS, BANK
METAL FABRICATORS
METALLURGISTS & MET ENGINEERS
METEOROLOGISTS
METER READERS
METER READERS, TAXI
MICROBIOLOGY TECHNOLOGISTS
MILL &/OR GRINDER OPS, MINERALS
MILLERS
MILLING/PLANING MACHINE OPERATRS
MILLWRIGHTS
MINE MACHINERY MECHANICS
MINING ENGINEERS
MIXER OPERATORS, HOT METAL
MIXERS/BLENDERS, CHEMICALS
MIXERS, FOOD & TOBACCO
MIXERS, ORE & METALS
MIXERS, STONE, CLAY, GLASS, ETC
MOBILE HOME REPAIRERS
MOBILE HOME SET-UP OPERATORS
MODEL &/OR MOLD MAKERS
MOLD CLEANERS, TIRE
MOLD CLOSERS, CORE SET
MOLDERS, BENCH &/OR FLOOR
MOLDERS, MACHINE (METAL)
MOLDERS, PATTERN

MATRIX CODE

61089092
61082801
10180205
40066829
70080609
10081200
10060402
50144608
61087805
61086033
10081400
10021200
10120208
10180204
10240803
40066809
70061013
10120206
10120201
10040602
61085204
61085214
50141000
40063602
40063601
50023901
10021400
10040400
40063800
40065214
10120203
61083646
50142603
61021007
50061600
50081805
10021600
61083831
61083855
61083856
61083857
61083854
50144825
61080401
50062209
80002403
61088813
50061804
50061805
50061806

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MOLDERS, SHOE PARTS
MORTGAGE CLOSING CLERKS
MORTISING MACHINE OPERATORS
MORTUARY BEAUTICIANS
MOTION PICTURE PROJECTIONISTS
MOTOR BOAT MECHANICS
MULTI-SLIDE MACHINE OPERATORS
MUSEUM CURATORS
MUSEUM TECHNICIANS, RESTORERS
MUSIC DIRECTORS
MUSICAL INSTRUMENTS REPAIRERS
MUSICIANS, INSTRUMENTAL
NAILING MACHINE OPERATORS
NEEDLE-FELT-MAKING MACH OPS, ETC
NEW ACCOUNTS TELLERS
NOVELTY WORKERS
NUCLEAR ENGINEERS
NURSES AIDES/ORDERLIES
NURSES, PROFESSIONAL
OCCUPATIONAL THERAPISTS
OCCUPATIONAL THERAPY AIDES
OCEANOGRAPHERS
OFF MACH SERVICERS/CASH REG SERV
OFF-BEARERS
OFFSET LITHOGRAPHIC PRESS OPS
OILERS
OPERATORS, DOOR MACHINE
OPTICIANS, DISP &/OR OPTIC MECHS
OPTOMETRISTS
ORDER CLERKS
ORDER FILLERS
ORDINARY SEAMEN
ORTHOPEDIC CAST SPECIALISTS
ORTHOPISTS
OTHER PHOTO PROCESS WORKERS
OVEN OPERATORS
PAINTERS, AIRCRAFT
PAINTERS, ARTISTIC
PAINTERS, AUTOMOTIVE
PAINTERS, MAINTENANCE
PAINTERS, PRODUCTION
PANEL/PATCH/SEALING MACHINE OPS
PANELBO OPERATORS, GRIND MILL OPS
PANTRY, SANDWICH, &/OR COFF MAKERS
PAPER REEL OPS, REWINDER OPS
PAPERHANGERS
PARALEGAL PERSONNEL
PARKING ENFORCEMENT OFFICERS
PARKING LOT ATTENDANTS
PASTEURIZERS, MARGARINE

MATRIX CODE

61085444
40066842
61081430
70080602
50142800
50083226
61088291
10240603
10141401
10221408
50144826
10221404
61084602
61040801
40060201
61086019
10022004
70061010
10100800
10101801
70060400
10041607
50082400
80001009
50101202
61084000
61088205
50143002
10101000
40061604
80002001
61084803
70061012
10121004
61084400
61086292
61084211
10221604
61084201
50022200
61084210
61087030
61083643
70041805
61085804
50022600
10242203
70101007
62001400
61086221

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

PATTERN CUTTERS
PATTERNMAKERS
PATTERNMAKERS, METAL
PATTERNMAKERS, PLASTICS
PATTERNMAKERS, WOOD
PAYROLL/TIMEKEEPING CLERKS
PERFORATOR OPERATORS
PERIPHERAL EDP EQPT OPERATORS
PERSONNEL CLERKS
PERSONNEL, LABOR REL SPECIALISTS
PHARMACISTS
PHARMACY HELPERS
PHOTOENGRAVERS
PHOTOGRAPHERS
PHOTOLETTERING MACHINE OPERATORS
PHYSICAL SCIENCE TECHNICIANS
PHYSICAL THERAPISTS
PHYSICAL THERAPY TECHNICIANS
PHYSICIANS &/OR SURGEONS
PHYSICIANS ASSISTANTS
PHYSICISTS
PICKER TENDERS
PICKLERS, CONTINUOUS PICKLING LINE
PICKLERS, FOOD
PICTURE FRAMERS
PILLING MACHINE OPERATORS
PILOTS, SHIP
PIN CHASERS
PINSETTER MECHANICS, AUTOMATIC
PIPE & TANK LINERS
PIPE STRIPPERS
PIPELAYERS
PIPELINERS
PLACERS
PLANER OPERATORS
PLASTERERS
PLASTIC TOP INSTALLERS
PLASTICS REPAIRERS
PLATEMAKERS
PLATER HELPERS
PLUMBERS &/OR PIPEFITTERS
PODIATRISTS
POLICE DETECTIVES
POLICE OFFICERS
POLICE PATROLMEN/WOMEN
POLICY CHANGE CLERKS
POLISHERS, GLASS &/OR BLOCKERS
POLISHERS, MOLD
POSTAL MAIL CARRIERS
POSTAL SERVICE CLERKS

61081431
61041020
50062203
50062202
50062204
40064000
61085407
40040602
40062602
10242802
10101200
10121009
50101003
10221805
61088621
10081812
10101804
10121012
10101400
10121014
10041400
61040206
61088282
61086001
50020205
61087640
20060802
70080403
50083225
61088808
61088851
80000609
50144801
30001004
61081464
50022801
61080409
61089044
50101203
61088834
50023203
10101600
70101005
70101004
70101006
40068815
61082408
80002402
40063200
40064200

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

POSTMASTERS &/OR MAIL SUPERINTS
POT LINERS
POT TENDERS
POULTRY DRESSERS, EVISCERATORS
POURERS, METAL
POWER BARKER OPERATORS
POWER BRAKE, BENDING MACH OPS, MET
POWER PRESS TENDERS
POWER SCREWDRIVER OPERATORS
POWER TRANSFORMER REPAIRERS
PRESS ASSISTANTS & FEEDERS
PRESS OPERATORS
PRESS OPERATORS, MEAT
PRESS OPERATORS, PLASTICS
PRESS OPERATORS, PLATE PRINTERS
PRESS TENDERS, RUBBER GOODS
PRESSERS, EXPELLER OPERATORS
PRESSERS, HAND
PRESSERS, MACHINE
PRESSERS, MACHINE, LAUNDRY
PRINCIPALS
PRINTER-SLOTTER FEEDERS
PRINTER-SLOTTER OPERATORS
PRIVATE BRANCH SERVICE ADVISORS
PROCUREMENT CLERKS
PRODUCTION CLERKS
PRODUCTION PACKAGERS
PROFESSORS
PROOF MACHINE OPERATORS
PROOF PRESS OPERATORS
PROOFREADERS, CLERICAL
PROOFREADERS, COMPOSED COPY
PROSTHETISTS, ORTHOTISTS
PROTECTIVE SIGNAL INST/REPAIRERS
PROTECTIVE SIGNAL OPERATORS
PSYCHIATRIC AIDES
PSYCHOLOGISTS
PUBLIC ADM INSPECTORS, EX CONST
PUBLIC RELATIONS SPECIALISTS
PULLERS-OVER
PULLING & LASTING MACH OPERATORS
PULP REFINER OPERATORS
PULPERS
PUMP OPERATOR HELPERS
PUMP OPERATORS
PUMP OPERATORS, BY-PRODUCTS
PUMP STAT OPERATORS, WATERWORKS
PUMPERS, MEAT
PUNCH PRESS OPERATORS, METAL
PUNCH PRESS OPERATORS, PLASTICS

20041200
61088835
61088236
61089040
61020435
61086808
61021611
61021604
61080410
50081808
61089095
61088026
61086003
61088416
50101201
61087618
61086223
61081201
61081202
61081203
20041601
61089042
61087032
40066204
40065402
40062400
61060802
10202005
40040202
50101210
40064411
40064410
10121005
50083220
40066831
70061011
10180600
20040800
10222000
61085421
61085445
61087005
61087006
61088445
61088444
61088208
50144019
61086004
61021609
61021610

OCCUPATION TITLES FOR WISCONSIN

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

PUNCH PRESS SETTERS, METAL
PURCHASE & SALES CLERKS, SECURITY
PURCHASING AGENTS &/OR BUYERS
PURIFICATION OPERATORS, ETC
RADIATION MONITORS
RADIO & TV SERVICERS & REPAIRERS
RADIO OPERATORS
RADIOGRAPHERS
RADIOLOGIC TECHS & NUC MED TECHS
RAILROAD BRAKE OPERATORS
RAILROAD POLICE
RATE CLERKS, FREIGHT
RATERS
RAW CHEESE WORKERS
REAGENT OPERATORS
REAL ESTATE BROKERS
REAL ESTATE CLERKS
RECEPTIONISTS
RECOVERY OPERATORS, PAPERMAKING
RECREATION FACILITY ATTENDANTS
REFINER OPERATORS, RUBBER
REFINERY OPERATOR HELPERS, PETROL
REFINERY OPERATORS
REFINERY OPERATORS, PETROLEUM
REFRACTORY MATERIALS REPAIRERS
REFRIG MECHANICS, A/C MECHANICS
REINFORCING-IRON WORKERS
RENTAL CAR DELIVERY WORKERS
REPAIRERS, SHOE FINISH
REPORTERS & CORRESPONDENTS
RESAWYERS
RESERVATION AGENTS
RETORT OPERATORS
RIGGERS
RIGGING SLINGERS
RIGHT-OF-WAY AGENTS
RIP & GROOVE MACHINE OPERATORS
RIPSAW OPERATORS
RIVETERS, HEAVY
RIVETERS, LIGHT
ROCK SPLITTERS, QUARRY
ROLL FORMING MACH OPERATORS
ROLLER BUILDERS, RUBBER
ROLLING MACHINE OPERATORS
ROLLING MILL OPERATOR HELPERS
ROLLING MILL OPS/ATTENDANTS
ROOFERS
ROPE LAYING MACHINE OPERATORS
ROTATION MOLDING MACH OPERATORS
ROUGH ROUNDERS, MACHINE

50061007
40066816
10240801
61089091
10121003
50082600
10141000
10081806
10120804
62001600
70101003
40066838
40065209
80002828
61083802
30001402
40066818
40064802
61087007
70080401
61087606
61089067
61086224
61088625
50020606
50080200
80000610
62002006
61085422
10221203
61085011
40066403
61086204
80002822
80001809
10240805
61081434
61085012
61084605
61084606
61083627
61088286
61087607
61086227
50062416
50062415
50023600
61040621
61087635
61085423

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

RUBBER GDS CUTTER-FINISHER OPS
RUBBER GRINDER-FINISHER OPERATORS
RUBBER MILL OPERATORS
RUBBER MOLD MAKERS
RUBBERS
RUG CLEANERS, HAND
RUG CLEANERS, MACHINE
SAFE DEPOSIT CLERKS
SAFETY INSPECTORS
SALES AGENTS, SALES REPS, FIN SERV
SALES AGENTS, SALES REPS, INSURANCE
SALES AGENTS, SALES REPS, REAL EST
SALES AGENTS, SALES REPS, SECURITY
SALES CLERKS
SALES MANAGERS, RETAIL TRADE
SAMPLE MAKERS
SAMPLERS &/OR TEST PREPARERS
SAND BLASTERS, STONE
SAND CUTTERS, MIXERS, SLINGERS
SANDBLASTERS/SHOTBLASTERS
SANDERS, WOOD
SAW FILERS
SAWYERS, METAL
SAWYERS, PLASTICS
SAWYERS, STONE
SAWYERS, TAIL
SCHOOL CROSSING GUARDS
SCORERS
SCRAP SORTERS
SCRAPPERS/STRIPPERS
SCREEN CUTTERS/MARKERS, NONPHOTO
SCREEN MAKERS, PHOTOGRAPHIC PROC
SCREEN/STENCIL PRINTERS/SETTERS
SCREENER OPERATORS
SCRIPT CLERKS
SEAM RUBBING MACHINE OPERATORS
SEAMLESS HOSIERY KNITTERS
SEASONERS, MACHINE
SEASONING MIXERS
SECOND CUTTERS, HAND
SECOND LOADERS
SECRETARIES
SECTION REPAIRERS & SETTERS
SECURITIES CASHIERS, EXCHANGE
SECURITY DESCRIPTION CLERKS
SELECTORS, GLASSWARE
SEPTIC TANK SERVICERS, ETC
SERVICE CLERKS
SERVICE REPRESENTATIVES
SETTERS &/OR DRAWERS

61081435
61087609
61087603
61088419
61084208
61082812
61082813
40066820
10243804
30001604
30001005
30001403
30001605
30001802
20020800
50144405
80001012
61088048
80002801
61082402
61082410
61082411
61085013
61085015
61085014
61085007
70100203
61087035
80002821
61087063
61089014
61088402
61088401
61088049
40066847
61085424
61040407
61089048
61083840
61081437
80001810
40020200
50081814
40066814
40066822
61060209
80002832
40066824
40066808
80002812

ALPHABETIZED TITLE LIST -
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

SETTERS, BINDERY MACHINES
 SETTERS, MOLDING & COREMKG MACH
 SETTERS, PLASTIC MOLDING MACHINE
 SEWAGE PLANT OPERATORS
 SEWER TAPPERS
 SEWING MACH OPS, REG EQMT, GARMENT
 SEWING MACH OPS, REG EQMT, NONGAR
 SEWING MACH OPS, SPEC EQMT, GAR
 SEWING MACH OPS, SPEC EQMT, NONGAR
 SEWING MACHINE MECHANICS
 SHADE TICKET MARKERS
 SHAKEDOUT WORKERS, FOUNDRY
 SHANK PIECE JACKERS
 SHAPER &/OR ROUTER OPERATORS
 SHAPERS & PRESSERS
 SHAPERS, HAND
 SHEAR &/OR SLITTER OPERATORS, MET
 SHEAR &/OR SLITTER SETTERS
 SHEET METAL WORKERS
 SHELL MOLD/SH CORE MACH OPERATRS
 SHERIFFS
 SHIP ENGINEERS
 SHIP RIGGERS
 SHIPFITTERS
 SHIPPING & RECEIVING CLERKS
 SHIPPING PACKERS
 SHIPWRIGHTS
 SHOE DYERS
 SHOE PARTS SEWERS, HAND
 SHOE REPAIRERS
 SHOP REPAIRERS, INSTRUMENT
 SHOE LASTERS
 SIGN ERECTORS
 SIGNAL MAINTAINERS
 SIGNALLERS
 SINGERS
 SKIN PEELING MACHINE OPERATORS
 SKINNERS, ANIMAL
 SKIVERS
 SLITTER-CREASER-SLOTTER OPERATORS
 SLITTER-SCORER-CUT-OFF OPERATORS
 SLITTING MACHINE OPERATORS
 SLOTTOR OPERATORS
 SMOKERS
 SOABAR OPERATORS
 SOCIOLOGISTS
 SOLE LEVELERS, MACHINE
 SORTER OPERATORS, GREEN LUMBER
 SORTERS, BURNED PRODUCTS
 SORTERS, LEATHER

50100202
 50061005
 50061009
 50144013
 80000612
 61085220
 61085205
 61085219
 61085215
 50083218
 40066834
 80002813
 80002826
 61021009
 61081208
 61088841
 61081459
 50061008
 50062600
 50061808
 70101201
 50144026
 50144812
 50143400
 40065001
 40065002
 50020204
 50143601
 61085217
 50143602
 50121013
 61089089
 50083230
 50082802
 80002834
 10221405
 61086007
 61089058
 61088410
 61081442
 61081443
 61081445
 61087070
 61089060
 61088443
 10180800
 61085428
 50142004
 61060404
 61060405

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

SORTERS, UPHOLSTERY PARTS
 SORTING CLERKS, BANK
 SOUND RECORDING & REPRO TECHN
 SPECIAL AGENTS, INSURANCE
 SPECIFICATION WRITERS, ENGINEER'G
 SPECTROSCOPISTS
 SPEECH & HEARING CLINICIANS, ETC
 SPEEDER TENDERS
 SPINNERS, FRAME
 SPLICERS
 SPLICERS, RUBBER PRODUCTS
 SPLITTERS
 SPLITTERS, MACHINE
 SPLITTING MACHINE FEEDERS
 SPORTS INSTRUCTORS
 SPOT CLEANERS
 SPOTTERS, DRYCLEANING
 SPOTTERS, WASHABLE MATERIALS
 SPRAY MACHINE OPERATORS
 SPRAYERS, HAND &/OR MACHINE
 SPREADERS
 SPRING MACHINE OPERATORS
 SPRINGERS
 STAINERS
 STAKERS, MACHINE
 STAPLERS, MATTRESS & BEDSPRING
 STAPLING MACHINE OPERATORS
 STATEMENT CLERKS
 STATION AGENTS
 STATION ENGINEERS, MAIN LINE
 STATION INSTALLERS
 STATIONARY BOILER FIRERS
 STATIONARY ENGINEERS
 STATISTICAL CLERKS
 STATISTICIANS
 STEEL DIE PRESS OPERATORS
 STEEL POURER HELPERS
 STENOGRAPHERS
 STERILIZERS
 STEWARDS, SHIP
 STICKERS
 STILL OPERATORS, BATCH OR CONTIN
 STITCHERS, SPECIAL MACHINE
 STITCHERS, STANDARD MACHINE
 STITCHERS, UTILITY
 STOCK CLERKS, SALES FLOOR
 STOCK CLERKS, STOCKRM, WAREHS, ETC
 STONE CUTTERS, HAND
 STONE MASONS
 STONE POLISHERS

61060406
 40066844
 10080801
 10243820
 10081814
 10081807
 10101803
 61040611
 61040612
 61087611
 61087615
 61081446
 61085441
 61089061
 10220403
 61089062
 61082802
 61082803
 61088023
 61089063
 61086612
 61080413
 50144603
 61089064
 61087809
 61084603
 61084604
 40066823
 40066401
 50144024
 50121003
 61085602
 50144014
 40065211
 10060600
 50101209
 61020430
 40020400
 61087279
 70082200
 61089065
 61087287
 61085430
 61085491
 61085432
 80002003
 40065404
 50144204
 50020602
 61082413

OCCUPATION TITLES FOR WISCONSIN

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

STONE SETTERS
STORE DEFECTIVES
STRANDING MACHINE OPERATORS
STRETCHER LEVELER OPERATORS
STRIPPERS
STRIPPERS PRINTING
STRUCTURAL STEEL WORKERS
STUNNERS
SUGAR ROILERS
SUPERCALENDER OPERATORS
SUPERINTENDENTS
SUPERVISORS, NONWORKING
SUPERVISORS, NONWORKING, SERVICE
SURGICAL TECHNICIANS
SURVEY WORKERS
SURVEYOR HELPERS
SURVEYORS
SWITCHBOARD OPS/RECEPTIONISTS
SWITCHBOARD OPERATORS
SWITCHBOARD OPS, GENERATING PLANT
SYSTEMS ANALYSTS, EDP
TABULATING MACHINE OPERATORS
TACKERS, TOGGERS, & PASTERS
TALLY CLERKS, SAW MILL
TANNING DRUM OPS/COLORERS, HIDES
TANNING LIQUOR MAKERS
TAPERS
TAPING MACHINE OPERATORS
TAPPERS, METAL
TAX EXAMINERS, COLLECTORS, REV AGTS
TAX PREPARERS
TAXI DRIVERS
TAXIDERMISTS
TEACHERS AIDES/EDUC ASSISTANTS
TEACHERS, ELEMENTARY
TEACHERS, PRESCHOOL OR KINDERGRTN
TEACHERS, ADULT EDUCATION
TEACHERS, COLLEGE
TEACHERS, SECONDARY
TEACHERS, VOCATIONAL ED OR TRAIN
TECHNICAL ASSISTANTS, LIBRARY
TECHNICAL DIRECTORS
TELEGRAPH EQUIPMT MAINTAINERS
TELEGRAPH OPERATORS
TELEGRAPH PLANT MAINTAINERS
TELEPHONE AD TAKERS, NEWSPAPER
TELETYPE INSTALLERS
TELEVISION CAMERA OPERATORS
TELEVIS
TENNIS OPERATORS

MATRIX CODE

50142410
70101002
61088260
61088261
80002815
50101001
50023800
61089059
61088230
61087008
20041803
50040003
70200001
10121002
40062000
61081000
10081600
40064803
40066201
50120800
10160400
40041200
61089070
40065215
61087810
61087804
61082003
61087038
61020401
10240203
10240204
62002004
10141403
40065800
10203003
10203004
10201000
10202002
10205000
10202001
10141405
10243802
50121004
40066000
50121012
40061807
50121014
10221802
40060203
61081452

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

TENTER FRAME OPERATORS
TERRAZZO WORKERS
TESTERS
THERMALASTING MACHINE OPERATORS
THREAD TRIMMERS
TICKET AGENTS
TILE SETTERS
TIMBER CRUISERS
TINTERS
TIRE BAGGING MACHINE TENDERS
TIRE BUILDERS
TIRE CHANGERS
TIRE FABRICATORS, REPAIRERS
TIRE FINISHERS
TIRE LAYERS & EXTRACTORS
TIRE REPAIRERS
TITLE EXAMINERS &/OR ABSTRACTORS
TITLE SEARCHERS
TOE LASTERS
TOOL & DIE MAKERS
TOOL PROGRAMMERS, NUMERICAL CONT
TOWER OPERATORS
TOWN CLERKS
TRACK LAYERS
TRADE RECORDERS
TRAFFIC AGENTS
TRAFFIC CLERKS
TRAFFIC ENGINEERS
TRAFFIC TECHNICIANS
TRAILER RENTAL ATTENDANTS
TRANSFER CLERKS
TRANSFER CONTROLLERS, SAW MILL
TRANSIT CLERKS
TRANSPORTATION AGENTS
TRAVEL AGTS, TR ACCOM APPRAISERS
TRAVEL CLERKS
TRAVEL COUNSELORS, AUTO CLUB
TREATING ENGINEERS
TREATMENT PLANT MECHANICS
TREE TRIMMERS
TREES
TRENCH SEWER SHAPERS
TRIM SAW OPERATORS
TRIMMERS, MACHINE
TRIMMERS, PLASTICS
TROUBLE LOCATORS, TEST DESK
TROUBLE SHOOTERS, POWER LINE
TRUCK DRIVER HELPERS
TRUCK DRIVERS
TUBE HOLDERS, FIBERGLASS

MATRIX CODE

61041025
50021206
50142205
61085433
61089071
40066405
50024001
10081808
61083852
61087513
61087514
61082606
61088614
61089072
80001015
61087607
10243811
40066825
61089090
50063001
10141200
62001800
40066840
80002804
40065207
40066402
40066826
10022003
10081813
61082604
40066827
61088846
40040203
40066404
10243821
40066828
40064804
61086803
50081810
80001402
80002829
80000611
61085017
61085439
61081458
50121011
50120203
80002825
52002301
61088417

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

TUMBLER OPERATORS
TURBINE OPERATORS
TURNERS
TWISTER TENDERS
TYPISTS
U.S. MARSHALLS
ULTRASONIC MACHINE OPERATORS
UMPIRES
UNDERWRITERS
UPHOLSTERERS
UPHOLSTERY CUTTERS
UPHOLSTERY TRIMMERS
URBAN AND REGIONAL PLANNERS
USHERS, LOBBY ATTN, TICKET TAKERS
VACUUM PLASTIC FORMING MACH OPS
VAMP CREAMERS
VARIETY SAW OPERATORS
VENDORS
VENEER DRIER FEEDERS
VENEER DRIERS
VENEER GRADERS
VENEER JOINTER OPERATORS
VENEER LATHE OPERATORS
VENEER REPAIRERS, HAND
VENEER REPAIRERS, MACHINE
VENEER SANDERS
VETERINARIANS
VIDEO RECORDING ENGINEERS
VOCATIONAL & EDUC COUNSELORS
VULCANIZERS, FOOTWEAR
VULCANIZERS, RUBBER PLATE
WAITERS OR WAITRESSES
WASHERS &/OR SEPARATORS, FOOD
WASHERS, MACH &/OR STARCHERS
WASHERS, SYNTHETIC FIBERS
WASTE TREATMENT PLANT OPS, CHEM
WATCHCASE VULCANIZER TENDERS
WATCHMAKERS
WATER METER INSTALLERS
WATER TREATMENT PLANT OPERATORS
WAX PATTERN WORKERS
WAXING MACHINE OPERATORS
WEAVERS
WEIGHERS, PRODUCTION
WEIGHERS, RECORD KEEPING
WELDERS & FLAME CUTTERS
WELFARE INVESTIGATORS
WELFARE SERVICE AIDES
WET MACHINE TENDERS
WHOLESALEERS

61082805
50144015
61041027
61040615
40020600
70100800
61088441
10220404
10243914
50144605
50144606
50144604
10181000
70082800
61087637
61085440
61085018
30001803
80001018
61086804
50142003
61081461
61021001
61088853
61086805
61082415
10102000
10080802
10243600
61088412
61088423
70041602
61086207
61082804
61082820
50144021
61087617
50142402
50082009
50144025
61088849
61087041
61040804
80001016
40066600
61022002
10243404
70083000
61087009
20061615

ALPHABETIZED TITLE LIST
(SUBTOTAL TITLES NOT INCLUDED)

MATRIX CODE

WIG DRESSERS
WINDER OPERATORS, AUTOMATIC
WINDERS, PAPER MACHINE
WIRE DRAWERS
WIRE WEAVERS
WIRERS, ELECTRONIC
WOOD CARVING MACHINE OPERATORS
WOOD GRINDER OPERATORS
WOOD MACHINISTS
WOODWORKING MACHINE OPERATORS
WORK DISTRIBUTORS
WORKSHEET CLERKS
WRAPPING MACHINE OPERATORS
WRINGER MACHINE OPERATORS
WRITERS &/OR EDITORS
X-RAY TECHNICIANS
YARD CLERKS
YARD ENGINEERS
YARDER ENGINEERS
YARN WINDERS

70082005
61040617
61085808
61088850
61088293
61080415
61081404
61087012
61021404
61086818
80001023
40065212
61060807
61087811
10221201
10120801
40065405
50120402
50140803
61040618

WISCONSIN OCCUPATIONAL PROJECTIONS FROM 1984 THRU 1995

If you have any comments or questions on anything in this publication, or desire additional copies, write to:

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